

The **Dutscher** group brands

**FOR ORDERING AND GUIDANCE
- contact your local AH diagnostics**



87 45 90 10
(0)8 680 0845
2323 3260
(0)10 325 3000



ahdiagnostics.dk
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AH diagnostics



THE DUTSCHER GROUP BRANDS

Dear customers,

We are very pleased to present the brands of the Dominique Dutscher Group in this brochure.

The brands of the Dominique Dutscher Group cover various laboratory consumables (tips, filter tips, cryotubes, microtubes...) and benchtop equipment with common advantages:

- premium quality to the highest standards;
- Dominique Dutscher's control of the manufacturing process and strict compliance with the specifications;
- technical advantages: All ClearLine® products have unique features that provide additional safety and ease of use;
- exceptional value for money.



Please do not hesitate to contact us, our teams are at your disposal to provide you with all technical information, certificates and samples.

Contact your local AH diagnostics:.

AH diagnostics

Denmark (Headquarters)

AH diagnostics A/S
Gammel Viborgvej 11A
8381 Tilst

+45 8745 9010
ahdiagnostics@ahdiagnostics.dk
www.ahdiagnostics.dk

Norway

AH diagnostics AS
Postboks 4499 Nydalen
0403 Oslo

+47 2323 3260
ahdiagnostics@ahdiagnostics.no
www.ahdiagnostics.no

Sweden

AH diagnostics AB
Solna Torg 19
171 45 Solna

+46 (0)8 680 0845
ahdiagnostics@ahdiagnostics.se
www.ahdiagnostics.se

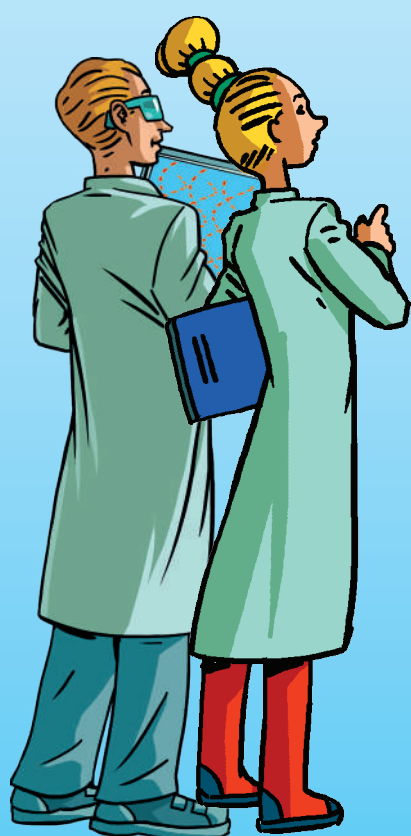
Finland

AH diagnostics Oy
Karhumäentie 3
01530 Vantaa

+358 (0)10 325 3000
ahdiagnostics@ahdiagnostics.fi
www.ahdiagnostics.fi

SUMMARY

1.	CELL CULTURE	P. 4-10
2.	MOLECULAR BIOLOGY	P. 11-13
3.	SEROLOGY	P. 15
4.	ANALYSIS	P. 16-19
5.	MICROPLATES SEALING	P. 20-26
6.	PIPETTING & DISTRIBUTION	P. 27
7.	TIPS & MICROPIPETTES	P. 28-32
8.	SERA, REAGENTS AND MICROBIOLOGY	P. 32-39
9.	TUBES & RACKS	P. 40-46
10.	CRYOGENY	P. 47-49
11.	FLASKS	P. 50
12.	SAMPLING	P. 51
13.	FILTRATION	P. 52-56
14.	GLASSWARE	P. 57
15.	HYGIENE AND SAFETY	P. 58-60
16.	EQUIPEMENT	P. 61-65



ClearLine® standard cell culture flasks

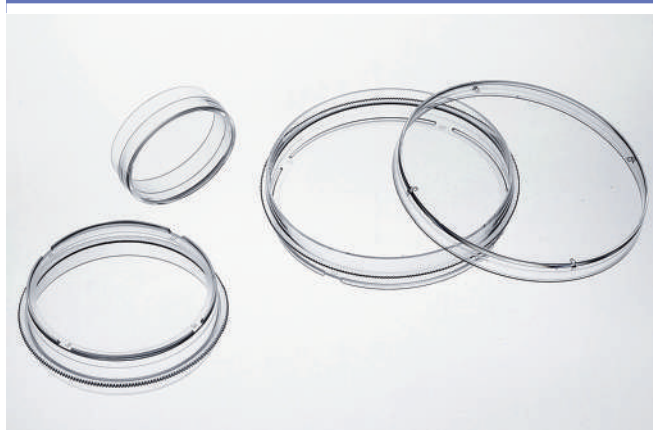


- ▶ Crystal polystyrene bottles
- ▶ Easy stacking
- ▶ Packaged in peelable bags
- ▶ Certificates available on request
- ▶ Printing of batch number and expiry date on each bottle
- ▶ Model with filter cap: with hydrophobic membrane, prevents the passage of bacteria and spores and particles larger than 0.2 µm



Cat. No.	Type of neck	Cap Type	Treatment	Units/bag	Units/box	€ excl. VAT/box
Surface area 25 cm²						
131000C	Canted	Standard	TC	10	200	NC -
131006C	Canted	Filter	TC	10	200	NC -
Surface area 75 cm²						
131002C	Canted	Standard	TC	5	100	NC -
131008C	Canted	Filter	TC	5	100	NC -
Surface area 175 cm²						
131004C	Canted	Standard	TC	5	40	NC -
131010C	Canted	Filter	TC	5	40	NC -

ClearLine® Petri dishes for culture

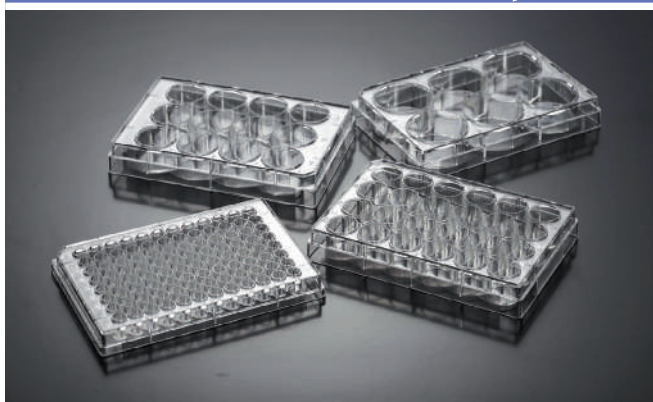


- ▶ In peelable bags
- ▶ Sterilised by gamma rays
- ▶ Certified endotoxin levels below 0.5 EU/ml
- ▶ Certificates available on request



Cat. No.	ext Ø x ext. h (mm)	Treatment	Units/bag	Units/box	€ excl. VAT/box
Ø 35 mm					
131046C	37.8 x 12.5	TC	10	960	NC -
Ø 60 mm					
131048C	58.8 x 17.8	TC	10	600	NC -
Ø 100 mm					
131050C	95.6 x 22	TC	10	300	NC -
Ø 150 mm					
131052C	143 x 21.9	TC	10	120	NC -

ClearLine® transparent multi-well plates and microplates



- ▶ In polystyrene
- ▶ Sterilised by gamma rays
- ▶ Alphanumeric marking
- ▶ Notched corners
- ▶ Certified endotoxin level < 0.5 EU/ml
- ▶ With lid



Cat. No.	Number of wells	Bottom type	Treatment	Units/bag	Units/box	€ excl. VAT/box
131028C	6	Flat	TC	1	100	NC -
131024C	12	Flat	TC	1	100	NC -
131020C	24	Flat	TC	1	100	NC -
131019C	48	Flat	TC	1	100	NC -
131012C	96	Flat	TC	1	100	NC -

ClearLine® Mixer for Pellet pestle

Cat. No.	Description	€ excl. VAT
045011	Shaker Pellet for microtube stirring Motor Mixer	NC -
141231	Rubber adapter for Motor Mixer	NC -
045319	Battery AA R6	NC -

Electric mixer (battery operated) to be completed with a single use or reusable pellet pestle. For resuspension of pellets in 0.5 ml and 1.5 ml microtubes.

- ▶ Speed : 160 rpm
- ▶ Power supply : 2 x AA 1.5 V batteries



ClearLine® 15 and 50 ml centrifuge tubes



Volume (ml)	15			50			
Ø ext. (mm)	17			30			
Height (mm)	120			115			
Material	Polypropylene			Polypropylene			
Sterile	Yes	No	Yes	Yes	Yes	No	Yes
Autoclavable	Yes			Yes			
Max centrifugal speed (g)	12000			12000			
Skirt	No			No	No	No	Yes
Graduation	Yes (0.5 ml increments)			Yes (2.5 ml increments)			
Marking area	Yes			Yes			
Colour	Transparent			Transparent			
Operating temperature	-80 °C to +121 °C			-80 °C to +121 °C			
Specifications	Free of DNase and RNase, endotoxins <0,05EU/ml; leak test performed on each tube; low protein retention	Free of DNase and RNase, endotoxin <0,05EU/ml; leak test performed on each tube; low protein retention; resealable bag		Free of DNase and RNase, endotoxin <0,05EU/ml; leak test performed on each tube; low protein retention; resealable bag	Free of DNase and RNase, endotoxin <0,05EU/ml; leak test performed on each tube; low protein retention	Free of DNase and RNase, endotoxin <0,05EU/ml; leak test performed on each tube; low protein retention; resealable bag	
Units/box	20 racks of 25	20 bags of 25	20 bags of 25	20 bags of 25	20 racks of 25	20 bags of 25	20 bags of 25
Green cap Cat. No.	131038C	131040C	131042C	131032C	131135C	131034C	131036C
€ excl. VAT/box	NC -	NC -	NC -	NC -	NC -	NC -	NC -

ClearLine® Cell scrapers

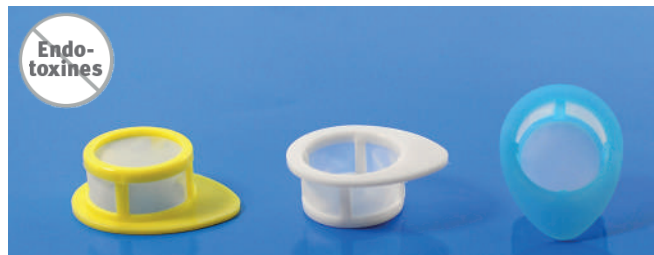
- > Dual position blade: scraper or collector.
- > Handle for a secure and firm grip
- > ABS handle and TPE blade
- > Sterilised by gamma rays
- > Flexible blade to collect cells without damaging them
- > Packaged individually



Cat. No.	Handle length (cm)	Blade length (mm)	Packaging unit	Units/box	€ excl. VAT/box
131054C	25	20	1	100	NC -
131056C	39	30	1	100	NC -

ClearLine® Cell Strainers

- > Uniform nylon filtration membrane
- > Fits all brands of 50 ml centrifuge tubes
- > Packaged individually
- > Sterile (SAL 10⁻⁶)



Cat. No.	Pore size (µm)	Colour code	For tubes	Pack. unit	Units/box	€ excl. VAT/box
141378C	40	Blue	50 ml	1	50	NC -
141379C	70	White	50 ml	1	50	NC -
141380C	100	Yellow	50 ml	1	50	NC -



Serum



Fetal calf serum

Cat. No.	Origin	Vol. (ml)	€ excl. VAT
S1810-100	South America	100	NC -
S1810-500	South America	500	NC -
S1650-100	Mexico, USDA approved	100	NC -
S1650-500	Mexico, USDA approved	500	NC -
S1520-100	USA	100	NC -
S1520-500	USA	500	NC -

Fetal calf serum with treatment : South American origin

Cat. No.	Treatment	Vol. (ml)	€ excl. VAT	Cat. No.	Treatment	Vol. (ml)	€ excl. VAT
S181H-100	Heat inactivated	100	NC -	S181L-100	Lipid Depleted	100	NC -
S181H-500	Heat inactivated	500	NC -	S181L-500	Lipid Depleted	500	NC -
S181F-100	Carbon adsorption	100	NC -	S181T-100	Without tetracycline	100	NC -
S181F-500	Carbon adsorption	500	NC -	S181T-500	Without tetracycline	500	NC -
S181D-100	Dialysed	100	NC -	S181R-100	Iron supplemented	100	NC -
S181D-500	Dialysed	500	NC -	S181R-500	Iron supplemented	500	NC -
S181I-500	Depleted IgG	500	NC -	S181R-500	ES Cells	100	NC -
S181M-500	Exosome Depleted	500	NC -	S181R-500	ES Cells	500	NC -

Animal serum

Cat. No.	Origin	Vol. (ml)	€ excl. VAT
S0250-500	Bovine (French origin)	500	NC -
S0400-500	Calf	500	NC -
S0400-1000	Calf	1000	NC -
S0750-500	Newborn calf	500	NC -
S0900-100	Donor horse	100	NC -
S0900-500	Donor horse	500	NC -
S0910-100	Horse	100	NC -
S0910-500	Horse	500	NC -
S0800-100	Donor Foal	100	NC -
S2170-100	Donkey	100	NC -
S2170-500	Donkey	500	NC -
S2000-100	Goat	100	NC -
S2000-500	Goat	500	NC -
S2300-100	Lamb	100	NC -
S2300-500	Lamb	500	NC -
S2350-100	Sheep	100	NC -
S2350-500	Sheep	500	NC -
S2400-100	Pig	100	NC -
S2400-500	Pig	500	NC -
S0500-100	Hen	100	NC -
S0500-500	Hen	500	NC -
S2500-100	Rabbit (French origin)	100	NC -
S2500-500	Rabbit (French origin)	500	NC -
S2150-010	Rat	10	NC -
S2150-100	Rat	100	NC -
S2160-100	Mouse	100	NC -
S2160-500	Mouse	500	NC -

High quality serum

SVF Ultra-Low endotoxins - South America - endotoxin levels < 0,1 EU/ml

Cat. No.	Volume (ml)	€ excl. VAT
S1860-100	100	NC -
S1860-500	500	NC -

SVF Premium

- ▶ Endotoxin levels < 5 EU/ml
- ▶ Hemoglobin levels < 25 mg /100 ml
- ▶ Growth > 80%
- ▶ Filtration 0.1 µm
- ▶ Low batch to batch variation
- ▶ Time saving
- ▶ Without test
- ▶ Triple Filtration 0.1 µm
- ▶ Tested on HELA, MRC-5, L929 and SP2/0-AG14

Cat. No.	Volume (ml)	€ excl. VAT
S181B-500	500	NC -

Fetal calf serum

Cat. No.	Origin	Volume (ml)	€ excl. VAT
S1700-500	Oceania	500	NC -
S1710-500	New Zeland	500	NC -

Human serum and plasma

Human serum HIV tested

Cat. No.	Volume (ml)	€ excl. VAT
S4200-100	100	NC -

Human AB male serum HIV tested

Cat. No.	Volume (ml)	€ excl. VAT
S4190-100	100	NC -

Human plasma pool

Cat. No.	Volume (ml)	€ excl. VAT
S4180-100	100	NC -
S4180-500	500	NC -

Animal plasma

Cat. No.	Description	Volume (ml)	€ excl. VAT
S0260-500	Bovine with sodium citrate	500	NC -
S2600-500	Rabbit with EDTA	500	NC -
S2140-100	Rat with heparin lithium	100	NC -

BSA

DD range - Lyophilised PH-7 BSA

Quantity	BSA		Protease free		Fatty acid free	
	Cat. No.	€ excl. VAT	Cat. No.	€ excl. VAT	Cat. No.	€ excl. VAT
10 g	P6154-10GR	NC -	-	-	-	-
100 g	P6154-100GR	NC -	P6155-100GR	NC -	P6156-100GR	NC -
500 g	P6154-500GR	NC -	P6155-500GR	NC -	-	-
1 kg	-	-	P6155-1KG	NC -	-	-

DD range - BSA

Cat. No.	Description	Vol. (ml)	€ excl. VAT
A0296-100	BSA 30 %	100	NC -



Buffered saline solutions

DPBS

Cat. No.	Volume	€ excl. VAT
DPBS without calcium, without magnesium		
L0615-100	100 ml	NC -
L0615-500	500 ml	NC -
L0615-1000	1 l	NC -
L0615-C10LS	10 l	NC -
DPBS 10 x without calcium, without magnesium		
X0515-500	500 ml	NC -
X0515-100	100 ml	NC -
X0515-C10LS	10 l	NC -
DPBS, 10 x with calcium, with magnesium		
X0520-500	500 ml	NC -
DPBS powder without calcium, without magnesium		
P0750-N1L	1 l	NC -
P0750-N10L	10 l	NC -

EBSS - Earle's balanced salt solution, phenol red

Cat. No.	Description	Volume	€ excl. VAT
L0601-500	Without Calcium, without magnesium	500 ml	NC -
EBSS 10x without sodium bicarbonate			
X0112-500	With calcium with magnesium	500 ml	NC -
X0113-500	Without Calcium, without magnesium	500 ml	NC -

HEPES

Cat. No.	Description	€ excl. VAT
L0180-100	HEPES 1M Buffer - 100 ml	NC -
L0180-500	HEPES 1M Buffer - 500 ml	NC -

Other salts and buffer solutions

Cat. No.	Description	€ excl. VAT
L0640-500	Sodium chloride saline solution 0.85% - 500 ml	NC -
L0642-100	Sodium Pyruvate 100 mM - 100 ml	NC -
L0642-500	Sodium Pyruvate 100 mM - 500 ml	NC -
L0643-100	Potassium chloride 0.075 M - 100 ml	NC -
L0643-500	Potassium chloride 0.075 M - 500 ml	NC -
P2035-500GR	Potassium Chloride - 500 g	NC -
L0680-100	Sodium bicarbonate 7.5% - 100 ml	NC -
L0680-500	Sodium bicarbonate 7.5% - 500 ml	NC -
P2060-500GR	Sodium bicarbonate, cell culture tested - 500 g	NC -



HBSS - Hank's balanced salt solution

Cat. No.	Calcium	Magnesium	Sodium bicarbonate	Phenol red	Volume (ml)	€ excl. VAT
L0605-500	-	-	-	-	500 ml	NC -
L0606-500	✓	✓	✓	✓	500 ml	NC -
L0607-500	-	-	✓	-	500 ml	NC -
L0611-500	-	-	✓	✓	500 ml	NC -
L0612-500	✓	✓	✓	-	500 ml	NC -

HBSS 10X

X0507-500	-	-	-	-	500 ml	NC -
X0509-500	✓	✓	-	✓	500 ml	NC -
X0510-500	-	-	✓	-	500 ml	NC -
X0513-500	-	-	-	✓	500 ml	NC -

PBS 10X

► Sterile	Cat. No.	Volume	€ excl. VAT
► Used for reagent preparation, cell dilution, cell washing	091591	500 ml	NC -
	091549	1 l	NC -

Amino acids, vitamins, additives

Glutamine

Cat. No.	Description	€ excl. VAT
X0550-100	L-Glutamine 100 X, 200 mM - 100 ml	NC -
X0551-100	Stable Glutamine 100 X, 200 mM - 100 ml	NC -

Vitamins

Cat. No.	Description	€ excl. VAT
X0556-100	MEM vitamins 100X without L-Glutamine - 100 ml	NC -
X0557-100	MEM non-essential amino acids 100X without L-Glutamine - 100 ml	NC -

Colcemide

Cat. No.	Description	€ excl. VAT
L0040-010	Colcemide 10 µg/ml - 10 ml	NC -
L0040-020	Colcemide 10 µg/ml - 20 ml	NC -
L0040-050	Colcemide 10 µg/ml - 50 ml	NC -



DD range - Culture media

DMEM

> High glucose 4.5 g/l with phenol red

L-Glutamine	HEPES	NaHCO ₃	Sodium pyruvate	Cat. No.	Volume	€ excl. VAT
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Solution

-	25 mM	√	-	L0100-500	500 ml	NC -
-	-	√	-	L0101-500	500 ml	NC -
√	-	√	-	L0102-500	500 ml	NC -
Stable	-	√	√	L0103-500	500 ml	NC -
√	-	√	√	L0104-500	500 ml	NC -
-	-	√	√	L0106-500	500 ml	NC -
Stable	25 mM	√	-	L0107-500	500 ml	NC -

Powder

√	-	-	√	P0102-N1L	1 l	NC -
√	-	-	-	P0103-N1L	1 l	NC -

> Low glucose 1 g/l with phenol red

L-Glutamine	HEPES	NaHCO ₃	Sodium pyruvate	Cat. No.	Volume	€ excl. VAT
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Solution

√	-	√	√	L0060-500	500 ml	NC -
-	-	√	√	L0064-500	500 ml	NC -
√	25mM	√	√	L0065-500	500 ml	NC -
Stable	-	√	√	L0066-500	500 ml	NC -

Powder

√	-	-	√	P0061-N1L	1 l	NC -
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DMEM-HAM'S F12 with phenol red

L-Glutamine	HEPES	NaHCO ₃	Sodium pyruvate	Cat. No.	Volume	€ excl. VAT
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Solution

-	-	√	√	L0090-500	500 ml	NC -
-	-	√	√	L0091-500*	500 ml	NC -
Stable	15 mM	√	√	L0092-500	500 ml	NC -
√	15 mM	√	√	L0093-500	500 ml	NC -
-	15 mM	√	√	L0094-500	500 ml	NC -
√	25 mM	√	√	L0095-500	500 ml	NC -
-	25 mM	√	√	L0096-500	500 ml	NC -

Powder

√	15 mM	-	√	P0095-N1L	1 l	NC -
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* Glucose free

BME BASAL MEDIUM EAGLE

Earle's Salt	Hank's Salt	L-Glutamine	HEPES	NaHCO ₃	Cat. No.	Vol.	€ excl. VAT
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Solution with phenol red

√	-	-	-	√	L0042-500	500 ml	NC -
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- Powder also available in 10 l and 50 l

GLASCOW MEM BHK21

L-Glutamine	Cat. No.	Volume	€ excl. VAT
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Powdered - without tryptose phosphate broth

√	P0120-N1L	1 l	NC -
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HAM'S F10

L-Glutamine	HEPES	NaHCO ₃	Cat. No.	Volume	€ excl. VAT
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Solution with phenol red

√	-	√	L0140-500	500 ml	NC -
-	-	√	L0145-500	500 ml	NC -

Powder

√	-	-	P0146-N1L	1 l	NC -
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HAM'S F12

L-Glutamine	NaHCO ₃	Cat. No.	Volume	€ excl. VAT
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Solution

√	√	L0135-500	500 ml	NC -
-	√	L0136-500	500 ml	NC -

Powder

√	-	P0134-N1L	1 l	NC -
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IMDM (Dulbecco's modified Iscove medium) with phenol red

L-Glutamine	HEPES	NaHCO ₃	Cat. No.	Volume	€ excl. VAT
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Solution

√	25 mM	√	L0190-500	500 ml	NC -
Stable	25 mM	√	L0191-500	500 ml	NC -
-	-	√	L0192-500	500 ml	NC -

Powder

√	25 mM	-	P0191-N1L	1 l	NC -
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LEIBOVITZ L15 medium

Cat. No.	Volume	€ excl. VAT
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Solution without L-Glutamine

L0300-500	500 ml	NC -
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Powder with L-Glutamine

P0350-N1L	1 l	NC -
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McCOY'S 5A

Cat. No.	Volume	€ excl. VAT
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Solution with L-Glutamine

L0210-500	500 ml	NC -
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Powder with L-Glutamine, without NaHCO₃

P0390-N1L	1 l	NC -
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DD range - Culture media

MEM (Minimum Essential Medium)

L-Glutamine	Earle's Salt	Hank's Salt	NEAA	HEPES	NaHCO ₃	Cat. No.	Vol.	€ excl. VAT
√	√	-	-	-	√	L0415-500	500 ml	NC -
Stable	√	-	-	-	√	L0416-500	500 ml	NC -
-	√	-	√	-	√	L0430-500	500 ml	NC -
-	√	-	-	-	√	L0440-500	500 ml	NC -
√	√	-	-	25 mM	√	L0444-500	500 ml	NC -
-	-	√	-	25 mM	√	L0470-500	500 ml	NC -

Solution with phenol red

√	√	-	√	-	-	P0450-N1L	1 l	NC -
√	√	-	-	-	-	P0451-N1L	1 l	NC -
√	-	√	√	-	-	P0515-N1L	1 l	NC -

RMPI 1640

L-Glutamine	HEPES	Phenol red	NaHCO ₃	Cat. No.	Volume	€ excl. VAT
√	-	√	√	L0500-100	100 ml	NC -
√	-	√	√	L0500-500	500 ml	NC -
-	-	√	√	L0501-100	100 ml	NC -
-	-	√	√	L0501-500	500 ml	NC -
Stable	-	√	√	L0498-500	500 ml	NC -
√	25 mM	√	√	L0495-500	500 ml	NC -
Stable	25 mM	√	√	L0496-500	500 ml	NC -
-	25 mM	√	√	L0490-500	500 ml	NC -
-	-	√	√	L0503-500*	500 ml	NC -
-	-	-	√	L0505-500	500 ml	NC -

Powder

√	-	√	-	P0860-N1L	1 l	NC -
-	-	√	-	P0870-N1L	1 l	NC -
√	-	-	-	P0880-N1L	1 l	NC -
-	-	-	-	P0871-N1L	1 l	NC -
√	25 mM	-	-	P0876-N1L	1 l	NC -
√	-	-	-	P0883-N1L	1 l	NC -

* without folic acid

MEM modified ALPHA

L-Glutamine	NaHCO ₃	Cat. No.	Volume	€ excl. VAT
√	√	L0475-500	500 ml	NC -
-	√	L0476-500	500 ml	NC -

Solution without ribonucleosides and deoxyribonucleosides

√	√	L0475-500	500 ml	NC -
-	√	L0476-500	500 ml	NC -

Powder with Earle's salt

√	-	P0440-N1L	1 l	NC -
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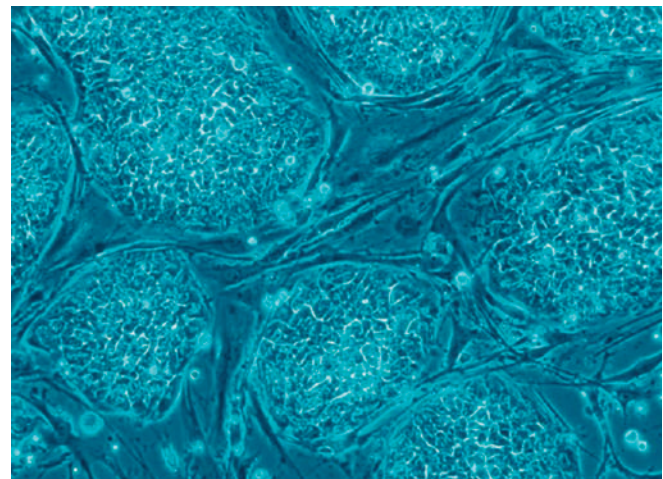


M199

L-Glutamine	Earle's Salt	Hank's Salt	NaHCO ₃	HEPES	Cat. No.	Volume	€ excl. VAT
√	-	√	√	-	L0330-500	500 ml	NC -
√	√	-	1,25 g/l	-	L0355-500	500 ml	NC -
-	√	-	√	-	L0356-500	500 ml	NC -
Stable	√	-	√	√	L0361-500	500 ml	NC -

Powder

-	-	√	-	-	P0410-N1L	1 l	NC -
√	√	-	-	-	P0420-N1L	1 l	NC -
√	√	-	-	25 mM	P0425-N1L	1 l	NC -





Cell dissociation

Trypsin without calcium without magnesium - solution

Cat. No.	Description	Phenol red	Vol. (ml)	€ excl. VAT
L0909-100	Trypsin 0.25% in PBS	√	100	NC -
L0910-100	Trypsin 0.25% in PBS		100	NC -
L0930-100	Trypsin-EDTA 1X in PBS	√	100	NC -
L0930-500	Trypsin-EDTA 1X in PBS	√	500	NC -
L0931-100	Trypsin 0.25% - EDTA in HBSS	√	100	NC -
L0932-100	Trypsin 0.25% - EDTA 0.02 % in HBSS	√	100	NC -
X0915-100	Trypsin 2.5% in PBS		100	NC -
L0940-100	Trypsin-EDTA 1X in PBS		100	NC -
X0930-100	Trypsin -EDTA 10X		100	NC -
X0920-100	Trypsin 2.5% in HBSS		100	NC -

Trypsin - powder

Cat. No.	Description	Weight	€ excl. VAT
P5957-100GR	Trypsin 1:250 powder (porcine)	100 g	NC -

Versene

Cat. No.	Description	€ excl. VAT
L0630-100	Versene - 100 ml	NC -

Accutase

- ▶ Alternative to trypsin
- ▶ Detachment and dissociation of adherent cells, without mammalian compounds

Cat. No.	Volume	Storage T°	€ excl. VAT
L0950-100	100 ml	-20 °C	NC -

Mycoplasma - Treatment

- ▶ For the cell lines treatment, including stem cells (ES Cells)

Nanomycopultine concentrate 20 x

Cat. No.	Description	Volume	€ excl. VAT
L-X16-010	Nanomycopultine Concentration 20 X	10 ml	NC -
L-X16-100	Nanomycopultine Concentration 20 X	100 ml	NC -

Antibiotics

Cat. No.	Description	Vol.	€ excl. VAT
L0009-050	Amphotericin B	50 ml	NC -
L0009-100	Amphotericin B	100 ml	NC -
L0010-020	Antibiotic-Antimycotic 100 X	20 ml	NC -
L0010-100	Antibiotic-Antimycotic 100 X	100 ml	NC -
L0011-010	Gentamicin sulphate 10 mg/ml	10 ml	NC -
L0011-100	Gentamicin sulphate 10 mg/ml	100 ml	NC -
L0012-010	Gentamicin sulphate 50 mg/ml	10 ml	NC -
L0012-100	Gentamicin sulphate 50 mg/ml	100 ml	NC -
P4020-1GR	Gentamicin sulphate	1 g	NC -
P4020-5GR	Gentamicin sulphate	5 g	NC -
L0014-100	Glutamine-Penicillin-Streptomycin 100 X	100 ml	NC -
L0015-020	G-418 (Geneticin) Solution	20 ml	NC -
L0015-100	G-418 (Geneticin) Solution	100 ml	NC -
P0017-1GR	G-418 SULFATE	1 g	NC -
P0017-5GR	G-418 SULFATE	5 g	NC -
L0018-100	Penicillin-Streptomycin	100 ml	NC -
L0022-020	Penicillin-Streptomycin solution 100 X	20 ml	NC -
L0022-100	Penicillin-Streptomycin solution 100 X	100 ml	NC -
P0018-1MU	Penicillin G sodium salt	1 million units	NC -
L-X16-010	Nanomycopultine concentrate 20 x	10 ml	NC -
L-X16-100	Nanomycopultine concentrate 20 x	100 ml	NC -

GR: powder

Water

Sterile, filtered, non-pyrogenic cell culture water.

Cat. No.	Volume (ml)	€ excl. VAT
L0970-100	100	NC -
L0970-500	500	NC -
L0970-1000	1000	NC -

PHA-M (Phytohaemagglutinin)

- ▶ Stimulates proliferation of lymphocytes in culture
- ▶ Also used for the separation of leukocytes from whole blood

Cat. No.	Description	Volume	€ excl. VAT
L3010-005	Phytohaemagglutinin liquid	5 ml	NC -

Lymphocyte separation media

Cat. No.	Description	Vol. (ml)	€ excl. VAT
L0560-100	Lymphocyte separation medium	100	NC -
L0560-500	Lymphocyte separation medium	500	NC -

DD range - Schneider Drosophila medium



DD range Schneider Drosophila medium.

Cat. No.	Volume	€ excl. VAT
L0207-500	500 ml	NC -

MagnetaPure 32 Nucleic Acid Purification System



- Automated systems for the purification of DNA, RNA, proteins and cells from a wide variety of samples such as blood, bacteria, tissue, body fluids and plants
- Magnetic separation technology for high throughput and high quality extraction without cross-contamination between samples or reagent transfers
- Extraction of up to 32 samples simultaneously
- Reaction volume from 50 µl to 1 ml
- Fast extraction cycle : 20 to 60 minutes
- Intuitive touch screen
- Heating function for optimal lysis and elution
- UV lamp for decontamination of the automat
- Ready-to-use programs for a wide range of protocols



255743

Number of samples	1 to 32
Sample volume per well	50 µl to 1 ml
Heating temperature	Ambient at 120 °C
Screen	7" touchscreen
Storage Capacity	Up to 100 programmes
Extraction steps	Lysis, retention, washing, elution
Connection	4 USB and Ethernet ports
Data storage	SD card
Sterilization	UV lamp
Ventilation system	Fan
Maximum supply voltage (W)	450
Dimensions L x D x H (mm)	40 x 47 x 45
Weight (kg)	25
Cat. No.	255743
€ excl. VAT	NC -

Associated consumables

Cat. No.	Description	Units/box	€ excl. VAT/box
531564B	Deepwell 96-well plate	50	NC -
531565B	Comb 8 teeth	200	NC -

ClearSpin filtration microtubes



- 2 ml dolphin nose microtubes with an insert including a filtration membrane
- Supplied assembled, caps closed
- Working volume : 500 µl
- Cellulose acetate or nylon membrane
- Max centrifugal speed: 16000 g



Membrane	Cellulose acetate			Nylon	
	0.22	0.45	0.45	0.22	0.45
Porosity (µm)	0.22	0.45	0.45	0.22	0.45
Sterile	No	Yes	Yes	No	No
Units/bag	25 tubes + inserts	24 tubes + inserts	24 tubes + inserts	100 tubes + inserts	
Cat. No.	007856ACL	007857ACL	007859ACL	007860ACL	007861ACL
€ EXCL. VAT/bag	NC -	NC -	NC -	NC -	NC -

ClearSpin insert only without tube or membrane

Cat. No.	Description	Units/bag	€ excl. VAT/bag
007862CL	ClearSpin insert only without tube or membrane	1000	NC -

ClearLine®EmeralDye Dye



High sensitivity for small fragments, low background noise, dye to be added during gel preparation or following migration, 4 - 6 µl per 100 ml of agarose.

- For nucleic acid marking
- Non-carcinogenic alternative to ethidium bromide
- DMSO-free storage solution
- Main Excitation wavelength 490 nm / secondary 290 nm
- Emission wavelength 530 nm



Cat. No.	Description	€ excl. VAT
755110CL	EmeralDye 1 ml	NC -



Pre-stained chemiluminescent marker for Western blot



- > To annotate the transfer membranes on PVDF or nitrocellulose
- > Reacts with HRP substrates
- > Fast and sensitive
- > Compatible with X-ray film and CCD imagers

Cat. No.	Description	€ excl. VAT
701100	Pre-stained chemiluminescent marker for Western blot	NC -

Powder buffer ClearLine® for nucleic acid electrophoresis



Fast and easy to use

- > 1 bag makes 1 litre of 1X buffer
- > No pH adjustment required
- > Fast running buffer for high voltage electrophoresis (300 - 350 V); allows rapid separation of fragments of less than 5 kb (a conventional 30 min cycle can be completed in only 10 min)

Cat. No.	Description	Composition	pH	Units/box	€ excl. VAT/box
257081	TAE buffer (Tris-Acetate-EDTA)	40 mM Tris, 20 mM acetic acid, 1 mM EDTA	8.2 - 8.4	100	NC -
257082	TBE Buffer (Tris-borate-EDTA)	89 mM Tris, 89 mM boric acid, 2 mM EDTA	8.2 - 8.5	50	NC -
257083	Fast running buffer	-	8.1-8.5	100	NC -

ClearLine® Powder buffers for protein electrophoresis



Fast and easy to use

- > 1 bag makes 1 litre of 1X buffer
- > No pH adjustment required
- > MES-SDS buffer: ideal for low molecular weight proteins
- > MOPS-SDS buffer: ideal for high molecular weight proteins

Cat. No.	Description	Composition	pH	Units/box	€ excl. VAT/box
257084	TGS Buffer (Tris-Glycine-SDS)	25 mM Tris, 192 mM Glycine, 0,1% SDS	8.1 - 8.5	50	NC -
257085	MES-SDS Buffer	50 mM Tris, 50 mM MES, 0,1% SDS, 1 mM EDTA	6.8 - 7.2	50	NC -
257086	MOPS-SDS Buffer	50 mM Tris, 50 mM MOPS, 0,1% SDS, 1 mM EDTA	7.5-7.9	50	NC -
257087	PBS Buffer	137 mM NaCl, 2,7 mM KCl, 10 mM phosphate	7.2 - 7.6	100	NC -
257088	PBS-Tween Buffer	137 mM NaCl, 2,7 mM KCl, 10 mM phosphate, 0,05 % Tween-20	7.2 - 7.6	100	NC -
257089	TBS Buffer	137 mM NaCl, 2,7 mM KCl, 50 mM Tris	7.25 - 7.55	100	NC -
257090	TBS-Tween Buffer	137 mM NaCl, 2,7 mM KCl, 50 mM Tris, 0,1 % Tween-20	7.25 - 7.55	100	NC -

ClearLine®PCR tube strips

- > Easy to cut into individual tubes
- > Extra thin wall
- > Total volume: 0.2 ml
- > Cap strips compatible with ClearLine® PCR plates



Cat. No.	Description	Units/box	€ excl. VAT/box
257052	Strip of 8 PCR tubes	250 x 8	NC -
257051	Strip of 8 optical flat caps	250 x 8	NC -
257046	Strip of 8 PCR tubes with domed cap	250 x 8	NC -
257054	8-PCR tube trips with flat cap	250 x 8	NC -
257053	8-PCR tube trips with flat cap	10 x 250 x 8	NC -

ClearLine®PCR Plates

- > 96-well plate
- > Natural
- > Alphanumeric index printed in black



Cat. No.	Skirt	Working volume	Format	Other features	Units/box	€ excl. VAT/box
257047	Non skirted	200 µl	Universal	Flange around each well for easy sealing	100	NC -
257048	Skirted	200 µl	Universal	Low profile	100	NC -
257049	Half-skirted	200 µl	Universal	Flange around each well for easy sealing	100	NC -
257050	Half-skirted	100 µl	ABI	Fast plate, low profile, ultra-transparent wells	100	NC -



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Créez votre espace client web dès maintenant !



VOS
CONTACTS



DOCUMENTATION
ENRICHIE



STOCKS
en temps réel



DONNÉES
TECHNIQUES
Pour les machines à l'arrêt



TARIFICATION
PERSONNALISÉE
Aux offres et conditions
exclusives



TRACKING
Suivez vos
commandes



PROGRAMME
FIDÉLITÉ
Gagnez des points
et échangez-les contre

ClearLine® Reagent reservoirs

ClearLine®

- White or translucent medical grade polystyrene
- Spouts on all 4 corners
- V-shaped bottom
- Graduations on both inner walls (accuracy +/-5%)
- Sterile tanks packed in packs of 1 or 5



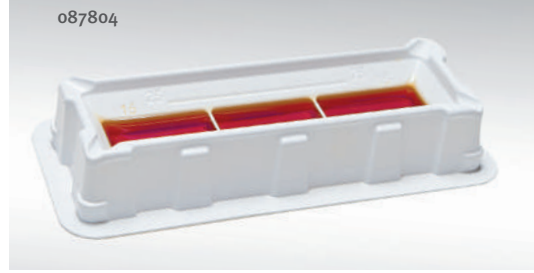
Standard tanks in white polystyrene

L x D x H int. (mm)	L x D x H ext. (mm)	Vol. (ml)	Non sterile pack/100	€ excl. VAT/ box 100 units	Sterile pack/1	€ excl. VAT/ box 100 units	Sterile pack/5	€ excl. VAT/ box 200 units
117 x 32 x 23	145 x 62 x 24	25	097805	NC -	097801	NC -	097800	NC -
117 x 49 x 23	145 x 82 x 27	50	097819	NC -	097802	NC -	097803	NC -
115 x 50 x 30	145 x 86 x 30	100	097804	NC -	087806	NC -	087807	NC -

3-compartment sterile white polystyrene tanks

Compartment Internal size (L x D x H) = 35 x 18 x 15 mm.

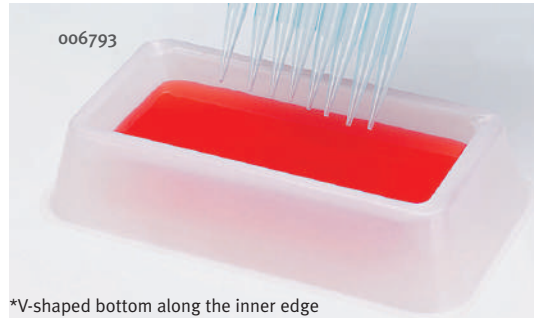
L x D x H int. (mm)	L x D x H ext. (mm)	Vol. (ml)	Sterile pack/1	€ excl. VAT/ box 100 units	Sterile pack/5	€ excl. VAT/ box 200 units
117 x 32 x 23	145 x 62 x 24	25	087804	NC -	087805	NC -



Standard translucent polystyrene tanks

L x D x H int. (mm)	L x D x H ext. (mm)	Vol. (ml)	Non sterile pack/100	€ excl. VAT/ box 100 units	Sterile pack/1	€ excl. VAT/ box 80 units	Sterile pack/5	€ excl. VAT/ box 160 units
126 x 39 x 27	149 x 69 x 27	55	-	-	006793*	NC -	006794*	NC -
118 x 50 x 33	150 x 86 x 34	100	006795**	NC -	006796**	NC -	006797**	NC -

* Enter the Cat. No. on dutscher.com



*V-shaped bottom along the inner edge
*V-bottom from 18 mm (from the top of the inner edge of the tank)

SEROLOGY
IMMUNOLOGY

ClearLine® CE-IVD Reagent reservoirs

ClearLine®

- White polystyrene tanks
- CE IVD certified
- Spouts on all 4 corners
- V-shaped bottom
- Graduated
- Products in a clean or sterile environment

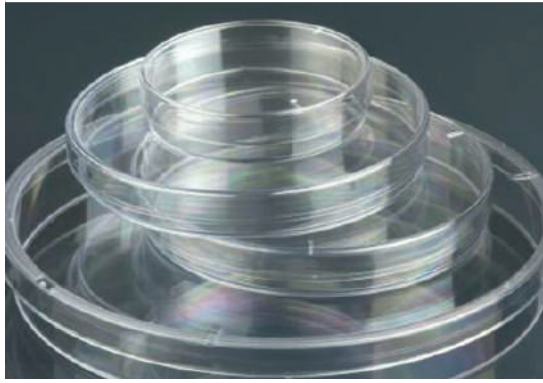


Capacity (ml)	L x D x H int.(mm)	L x D x H ext.(mm)	Non-sterile, pack/100		Sterile pack/1		Sterile pack/5	
			Cat. No.	€ excl. VAT 100 units	Cat. No.	€ excl. VAT 100 units	Cat. No.	€ excl. VAT 100 units
25	117 x 32 x 23	145 x 62 x 24	713152	NC -	713155	NC -	713158	NC -
50	117 x 49 x 23	145 x 82 x 27	713153	NC -	713156	NC -	713159	NC -
100	115 x 50 x 30	145 x 86 x 30	713154	NC -	713157	NC -	713160	NC -



ClearLine®

ClearLine® Petri dishes



- Made of crystal polystyrene, superior clarity
- Manufactured under ISO Class 7 conditions
- Available aseptic or sterile (E-Beam irradiated, 10 kg)

Dimensions* (mm)	Vents	Units/bag	Units/box	Aseptic		E-Beam Irradiated	
				Cat. No.	€ excl. VAT box	Cat. No.	€ excl. VAT box
55 x 14 (Ø x H)	Without	15	1200	076059	NC -	076059S	NC -
55 x 14 (Ø x H)	3	15	1200	076058	NC -	076058S	NC -
90 x 13 (Ø x H)	Without	20	500	020006B	NC -	020006BS	NC -
90 x 14,2 (Ø x H)	3	33	825	257045	NC -	-	-
90 x 13 (Ø x H)	3	20	500	076084B	NC -	076084BS	NC -
90 x 13 (Ø x H)	3	20	500	076064**	NC -	-	-
120 x 120 x 15 (W x L x H)	4	10	240	076063	NC -	076063S	NC -
140 x 13 (Ø x H)	4	15	165	076060B	NC -	076060SD	NC -

* General dimensions, see the data sheets on www.dutscher.com for more details.

** Double packaging



Biosigma seeders



- Blue or white soft polypropylene, sterile single use
- One side needle, other side with 1 or 10 µl loop
- In peel packs of 1, 5, 10 or 20 units

Packaging unit	1	5	10	10	20	20
Units/box	2100	4000	2000	12000	2000	10000
Inoculating loop 1 µl, white	390533	390534	390532A	390532	390531A	390531
Inoculating loop 10 µl, blue	390529	390530	390528A	390528	390527A	390527
€ excl. VAT/box	NC -	NC -	NC -	NC -	NC -	NC -

ClearLine®

Single-use spectrophotometer cuvettes ClearLine®



Single-use cuvettes, in two types of materials:

- polystyrene (PS): wavelength 340 to 900 nm ;
- Polymethyl methacrylate (PMMA): wavelength 300 to 900 nm.

➤ Optical path: 10 mm

➤ Packaged in a polystyrene box

Cat. No.	Vol. (ml)	Number of windows	Type	Material	Spectral range (nm)	€ excl. VAT/100 units
030101	1.6	2	Semi micro	PS	340/900	NC -
030108	1.6	2	Semi micro	PMMA	300/900	NC -
030100	4	2	Macro	PS	340/900	NC -
030111	4	2	Macro	PMMA	300/900	NC -



Hydrophobic markers for immunostaining



➤ To draw a hydrophobic circle around a sample

➤ Insoluble in alcohol and acetone, can only be removed with xylene

Cat. No.	Description	Tip thickness (mm)	€ excl. VAT
490000	PAP Immunostaining Pen Marker fine	2	NC -
490001	PAP Immunostaining Pen Marker, thick	5	NC -

Coverslips



- ▶ Particularly recommended for analysis of blood, urine, tissue samples and other biological fluids, in vitro diagnostics
- ▶ Thickness : 0.13 - 0.17 mm
- ▶ Clear glass

Cat. No.	Dimensions (mm)	Units/box	€ excl. VAT/box
390989	18 x 18	2000	NC -
390990	20 x 20	2000	NC -
390991	22 x 22	2000	NC -
390992	24 x 24	2000	NC -
390993	24 x 32	1000	NC -
390994	24 x 40	1000	NC -
390995	24 x 50	1000	NC -
390996	24 x 60	1000	NC -

Microscope slides, large packaging



Standar quality



Quality silver

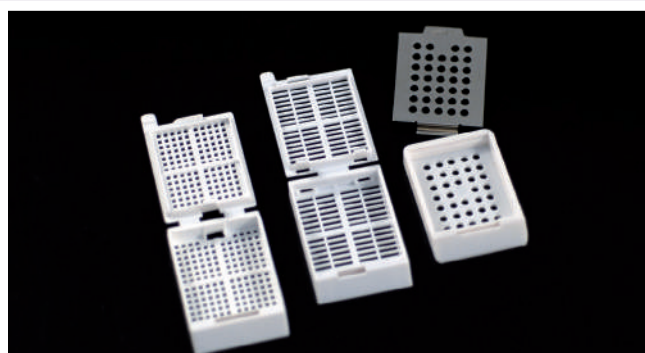
- ▶ Particularly recommended for analysis of blood, urine, tissue samples and other biological fluids, in vitro diagnostics
- ▶ Dim. : 26 x 76 x 1-1.2 mm
- ▶ Thickness : 1,1 ± 0,1 mm
- ▶ Clear glass
- ▶ Standard quality: with paper between the different slides
- ▶ Silver quality: no paper between the slides

Edges	2-sided frosted surface	Colour	Standard quality		Silver quality	
			Cat. No.	€ excl. VAT the box of 2500	Cat. No.	€ excl. VAT the box of 2500
Cut	No	-	390998	NC -	390997	NC -
Cut	Yes	-	395000	NC -	390999	NC -
Ground 45°	No	-	395002	NC -	395001	NC -
Ground 45°	Yes	-	-	-	395003	NC -
Ground 45°	Yes	Orange	-	-	395004	NC -
Ground 45°	Yes	Light blue	-	-	395005	NC -
Ground 45°	Yes	White	-	-	395006	NC -
Ground 45°	Yes	Yellow	-	-	395007	NC -
Ground 45°	Yes	Pink	-	-	395008	NC -
Ground 45°	Yes	Green	-	-	395009	NC -

Biosigma inclusion cassettes

- ▶ With or without lid
- ▶ Made of P.O.M. (polyoxymethylene)
- ▶ With detachable lid
- ▶ Blue histology sponge size 3 x 2.5 cm available as accessory

Model	Inclusion cassette	Biopsy cassette
White	390561	390567
Yellow	390562	390568
Pink	390563	390569
Green	390564	390570
Orange	390565	390571
Light blue	390566	390572
€ excl. VAT 2000 units	NC -	NC -
Without lid	390573	-
€ excl. VAT 2000 units	NC -	-

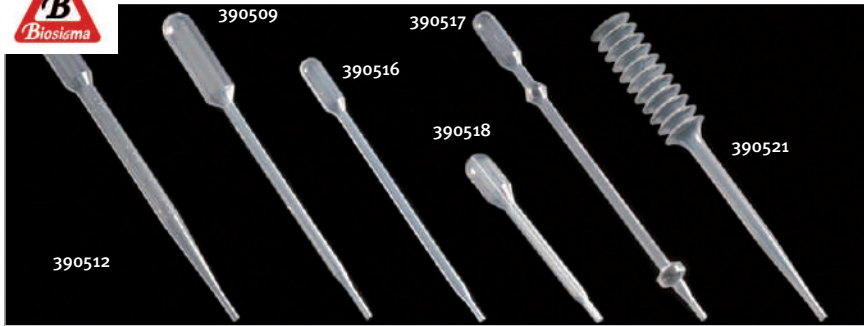


Accessory

Cat. No.	Description	€ excl. VAT
390574	Histology sponge, blue, 3 x 2.5 cm	NC -



Biosigma Transfer pipettes



- Made of polyethylene
- Sterile or not - peelable packaging for sterile models
- Economic

Graduated pipettes

Model	Rod Vol. 1 ml graduated	Rod Vol. 3 ml graduated
Bulb vol. (ml)	4.5	4
Length (mm)	145	155
Graduation (ml)	0.25	0.5
Bulk	390509	390512
Units/bag	500	500
€ excl. VAT/bag	NC -	NC -
Sterile/5	390510	390513
Units/box	1000	1000
€ excl. VAT/box	NC -	NC -
Sterile/1	390511	390514
Units/box	1000	1000
€ excl. VAT/box	NC -	NC -

Other transfer pipettes - Non-sterile.

Cat.No.	Description	Units/box	€ excl. VAT/box
390521	Transfer pipette 10 ml	1500	NC -
390517	Transfer pipette triple bulb for M.T. kit	3000	NC -



ClearLine® pH paper



On a roll

Cat.No.	Description	Dimensions L x W	Units/box	€ excl. VAT/box
442401	PH paper 1 - 14 + reel	7 mm x 5 m	1 roll + reel	NC -
442402	PH paper refill 1 - 14	7 mm x 5 m	3 roll	NC -

In strips

- Non-migrant identification area
- 4 coloured areas on each strip

Cat.No.	Description	Units/box	€ excl. VAT/box
442400	pH paper 0 - 14	100 strips	NC -
442403	pH Paper 4 - 10	100 strips	NC -



ClearLine® Strips



➤ Semi-quantitative analysis in water

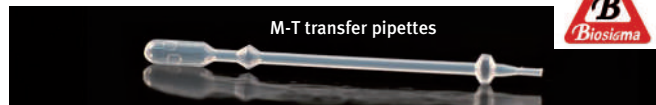
Cat.No.	Parameter	Range	Units/box	€ excl. VAT/box
442404	QAC	0 - 100 - 200 - 300 - 400 mg/l	100	NC -
442405	Chlorine	0 - 0,5 - 1 - 3 - 5 mg/l Cl2	100	NC -
442406		0 - 25 - 50 - 100 - 200 - 300 mg/l Cl2	100	NC -
442407		0 - 50 - 100 - 250 - 500 - 1000 mg/l Cl2	100	NC -
442416		0 - 1 - 3 - 5 - 10 - 20 mg/l Cl2	100	NC -
442409	Peracetic acid	0 - 5 - 10 - 20 - 30 - 50 mg/l	100	NC -
442422		0 - 50 - 1000 - 1500 - 2000 mg/l	100	NC -
442410	Sulphite 500	0 - 100 - 150 - 200 - 250 - 300 - 400 - 500 mg/l	100	NC -
442411		10 - 50 - 100 - 250 - 500 mg/l	100	NC -
442412	Nitrite 25	0 - 0,5 - 1 - 5 - 10 - 25 mg/l	100	NC -
442417	Nitrite 80	0 - 2 - 5 - 10 - 20 - 40 - 80 mg/l	100	NC -
442413	Nitrate 500	0 - 10 - 25 - 50 - 250 - 500 mg/l	100	NC -
442415	Ascorbic acid	0 - 50 - 100 - 200 - 300 - 500 - 700 - 1000 - 2000 mg/l	100	NC -
442418	Peroxide 25	0 - 0,5 - 2 - 5 - 10 - 25 mg/l	100	NC -
442419	Peroxide 100	0 - 100 - 200 - 400 - 600 - 800 - 1000 mg/l	100	NC -
442408		0 - 1 - 3 - 10 - 30 - 100 mg/l	100	NC -
442421	Total hardness	3 - 4 - 7 - 14 - 21°d	100	NC -
442449	Amonium 400	0 - 10 - 25 - 50 - 250 - 500 mg/l	100	NC -
442450	Phosphate 100	-	100	NC -

M-T® System for Fast-Read 102®



The use of the M-T® system combined with the Fast-Read 102® slide considerably reduces the risk of confusion with other cells, thus increasing the accuracy of the result.

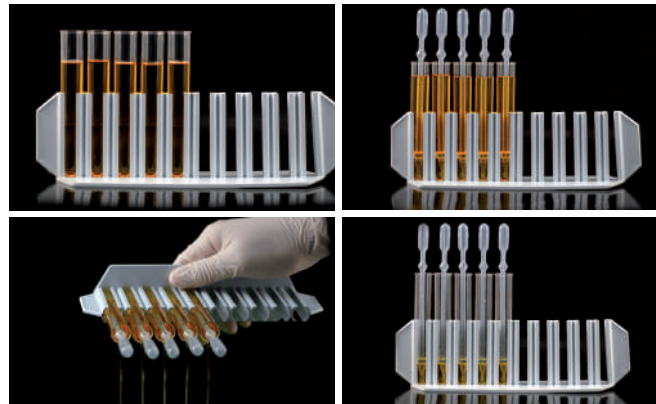
- Used for urine examinations, avoids overlapping of epithelial cells during sedimentation
- M-T® transfer pipettes: special calibration allowing 1 ml of sample to be blocked at the bottom of the tube
- Tubes for M-T® system: 16 x 103 mm, PS transparent, graduation 1/2,5/5/10 ml



➤ Principle

1. Place tube 390522 or 390523 containing the urine to be analysed in the express rack 391536 and centrifuge
2. Insert the 3-bulb M-T transfer pipette
3. Turn the rack over
4. You get 1 ml of resuspended sediment ready for analysis on slide Fast-Read 102®

Cat. No.	Description	€ excl. VAT
390508	1000 transfer pipettes M-T® + 1000 tubes 10 ml	NC -
391536	Rack for 10 tubes	NC -
390503	100 slides Kit Fast-read® 10 chambers + 1000 M-T® transfer pipettes	NC -
390506	100 slides Kit Fast-read® 10 chambers + 1000 M-T® transfer pipettes + 1000 x 10 ml tubes + 1000 caps	NC -
390522	Conical tubes 16 x 103 mm graduated in PS (2000 units)	NC -
390523	Conical tubes 16 x 103 mm graduated in PS (2000 units)	NC -
390517	Tri-bulb pipettes for M-T® system (3000 units)	NC -



Find the application notes on www.dutscher.com



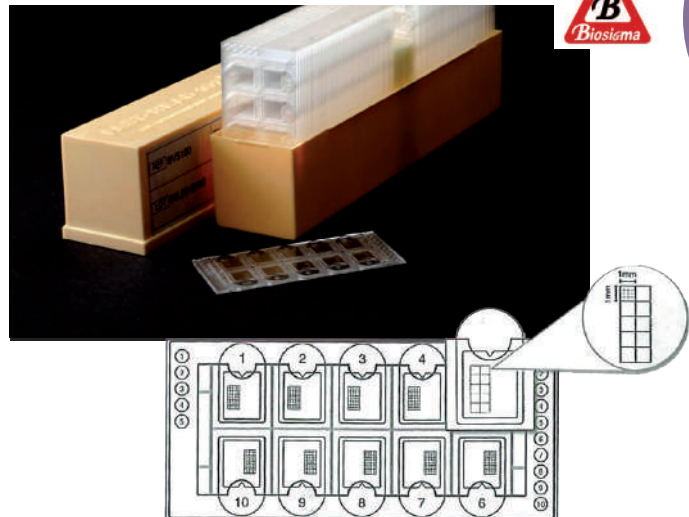
Fast-Read 102® Plastic counting cells



Lames en Polyméthacrylate de méthyle (PMMA) with 10 grids for counting cells per μl .

Cell volume (μl)	7
Grid dimensions (mm)	5 x 2
Depth (mm)	0.1
Grid volume (μl)	1
Square dimensions (mm)	1 x 1
Square volume (μl)	0.1
Chamber volume (μl)	37

Cat. No.	Description	€ excl. VAT
390497	Fast-read® slides 10 chambers 100	NC -
390501	Transport tray for 10 slides	NC -
390498	100 slides Kit Fast-Read® 10 chambers + 1000 transfer pipettes	NC -
390499	100 slides Kit Fast-Read® 10 chambers + 1000 transfer pipettes + 1 bottle of dye 35 ml	NC -



ClearLine® ClearTime I Timer



- Up/down counter
- Fast increment
- 30 sec. alarm
- Capacity : 100 min /sec
- Screen : 27 x 12 mm
- Digits : 10 mm
- Dimension : 62 x 52 x 24 mm
- With stand and magnet

Cat.No.	Description	€ excl. VAT
257091	ClearTime I timer	NC -
095304B	LR 44 button battery (2 units)	NC -

ClearTime II ClearLine® Timer



- Up to 2 counters and/or 2 down counters
- Clock, alarm, snooze functions
- Fast incrementing
- 2 alarms 1 mm
- Capacity : 24 hours per second
- Exceeding time
- Screen : 40 x 17 mm
- Digits : 15 mm
- Dimension : 67 x 55 x 20 mm
- With stand, clamp and magnet

Cat.No.	Description	€ excl. VAT
257092	ClearTime II timer	NC -
095304B	LR 44 button battery (2 units)	NC -

ClearLine®Heat sealable films

► Available in 2 formats:

- sheet format for manual or semi-automatic heat sealers
- roll format for automatic heat sealers, Agilent VII Plateloc, REMP (LHS / SHS), ALPS 5000 and IntelliXseal

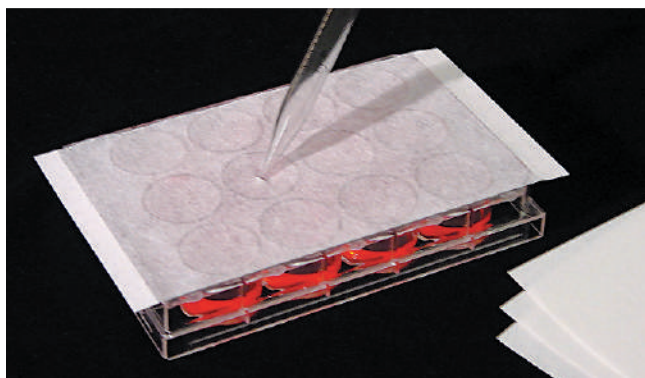
Photo	Model	Description	Applications	Operating temperature	Compatible plates	Cat. No.	Packaging	Dimensions	€ excl. VAT
	qPCRClear NPeel	Optical quality and peelable film	qPCR, short-term storage	-80 °C to 80 °C	Polypropylene (PP), polyethylene (PE), polystyrene (PS), cyclic olefin copolymer (COC)	257114	1 roll	610 m x 78 mm	NC -
						257116	100 sheets	125 x 78 mm	NC -
						257115	1 roll	500 m x 115 mm	NC -
	PeelNClear ChemPlus	Optical quality film with reinforced seal for use in water baths or water thermocyclers	PCR, long-term storage	-80 °C to 110 °C	Polypropylene (PP)	257120	1 roll	610 m x 78 mm	NC -
						257122	100 sheets	125 x 78 mm	NC -
						257121	1 roll	500 m x 115 mm	NC -
	PeelN Foil ChemPlus	Peelable aluminium film, good seal and high resistance to solvents including DMSO	PCR, short-term storage	-80 °C to 110 °C	Polypropylene (PP), polyethylene (PE), polystyrene (PS), cyclic olefin copolymer (COC)	257126	1 roll	610 m x 78 mm	NC -
						257128	100 sheets	125 x 78 mm	NC -
						257127	1 roll	500 m x 115 mm	NC -
	PeelN Foil	Peelable aluminium film with good sealing properties	PCR, long-term storage	-80 °C to 110 °C	Polypropylene (PP), polyethylene (PE), some cyclic olefin copolymers (COC)	257123	1 roll	610 m x 78 mm	NC -
						257125	100 sheets	125 x 78 mm	NC -
						257124	1 roll	500 m x 115 mm	NC -
	PeelN Foil Strong	Peelable aluminium film with reinforced seal. High resistance to solvents including DMSO. Can be used in water bath or water thermocycler	PCR, long term storage, low temperature transport	-200 °C to 110 °C	Polypropylene (PP)	257132	1 roll	610 m x 78 mm	NC -
						257134	100 sheets	125 x 78 mm	NC -
						257133	1 roll	500 m x 115 mm	NC -
	PierceN Foil	Peelable and pierceable aluminium film resistant to solvents including DMSO with excellent sealing properties	PCR, short-term storage, sample transport	-20 °C to 110 °C	Polypropylene (PP), polystyrene (PS)	257129	1 roll	610 m x 78 mm	NC -
						257131	100 sheets	125 x 78 mm	NC -
						257130	1 roll	500 m x 115 mm	NC -
	PierceN Clear	Optical quality and easily perforated film for robotic applications	Robotic and compatible with ABI 3730 sequencer	-80 °C to 80 °C, up to 110 °C with pressurised heating lids	Polypropylene (PP), polyethylene (PE), polystyrene (PS), cyclic olefin copolymer (COC), polycarbonate (PC)	257117	1 roll	610 m x 78 mm	NC -
						257119	100 sheets	125 x 78 mm	NC -
						257118	1 roll	500 m x 115 mm	NC -
	AirSeal	Non-woven film gas permeable for cell culture	Cell culture, incubation and short-term storage	20 °C to 80 °C	Polypropylene (PP), Polystyrene (PS)	257135	1 roll	610 m x 78 mm	NC -
						257137	100 sheets	125 x 78 mm	NC -
						257136	1 roll	500 m x 115 mm	NC -
	AirSeal II	Smooth, gas-permeable woven film for cell culture	Cell culture, incubation and short-term storage	20 °C to 80 °C	Polypropylene (PP), Polystyrene (PS), Cyclic Olefin Copolymer (COC), Polycarbonate (PC)	257138	1 roll	610 m x 78 mm	NC -
						257140	100 sheets	125 x 78 mm	NC -
						257139	1 roll	500 m x 115 mm	NC -
	XCutSeal	Perforated, gas-permeable transparent film suitable for cell culture and seed storage	Cell culture, incubation and short-term storage	20 °C to 80 °C	Polypropylene (PP), Polyethylene (PE), Polystyrene (PS), Cyclic Olefin Copolymer (COC), Polycarbonate (PC)	257141	1 roll	610 m x 78 mm	NC -
						257143	100 sheets	125 x 78 mm	NC -
						257142	1 roll	500 m x 115 mm	NC -

STORAGE SCREENING

ClearLine® AeraSeal™ Porous film

- Porous hydrophobic adhesive film with a total thickness of 140 µm
- Promotes uniform gas exchange in all wells
- Non-cytotoxic
- Highly gas permeable
- Easily pierced with a pipette tip for sample recovery
- Can be used from -20 °C to +80 °C

Cat. No.	Description	Units/box	€ excl. VAT/box
760214	AeraSeal™ Adhesive Film	100	NC -
760215	AeraSeal™ Adhesive Film, sterile	50	NC -
765247	AeraSeal™ film roll, non sterile, 81 mm x 100 m	-	NC -



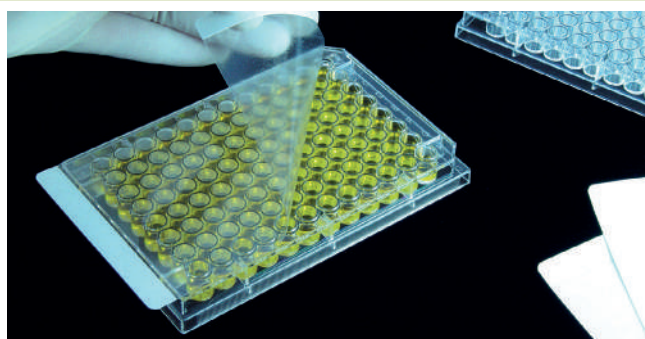
ClearLine® SealPlate® Films

Applications: short-term storage, incubation, ELISA.

- Made of 50.8 µm polyester
- Operating temperature : -40 °C to 120 °C
- For plates without collar
- Dimensions without tab: 125 x 79.4 mm
- Single film with two tear-off tabs, roll film with one tear-off tab
- Transparent
- Minimise evaporation
- Available with coloured spot

Cat. No.	Colour	Sterile	Units/box	€ excl. VAT/box
760200	Natural	No	100	NC -
760201	Natural	Yes	100	NC -
760222	Green	No	100	NC -
760223	Lavender	No	100	NC -
760224	Orange	No	100	NC -
760225	Red	No	100	NC -
760226	Blue	No	100	NC -
760227	Assorted	No	5 x 10	NC -
765272	Natural	No	500*	NC -

* Roll Film



ClearLine® MiniStrips™ 1 x 8 Film

Applications: short-term storage, incubation, ELISA.

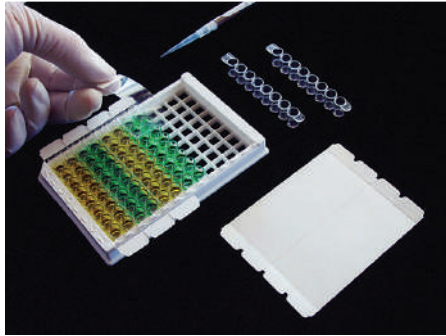
- Made of 50.8 µm polypropylene
- Operating temperature : -40 °C to +120 °C
- For 8-tube strips and plates
- Dimensions without tab: 82.6 x 9.5 mm
- With two detachable tabs (except roll film)
- Transparent



Cat. No.	Description	Units/box	€ excl. VAT/box
765273	ClearLine® MiniStrips® 1 x 8 Film	400	NC -
765274	ClearLine® MiniStrips® 1 x 8 Film, sterile	400	NC -



ClearLine® MiniStrips™ Film 2 x 8

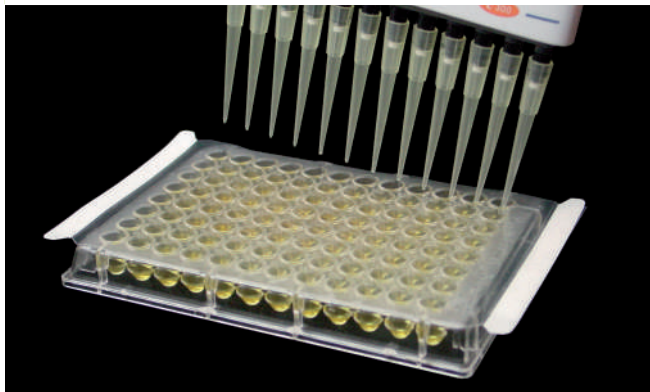


Applications: short-term storage, incubation, ELISA.

- Made of 50.8 µm polyester
- Operating temperature : -40 °C to 120 °C
- For 2 x 8-tube strips and plates
- Dimensions without tab (mm): 82.6 x 19.1
- With two detachable tabs
- Transparent

Cat. No.	Description	Units/box	€ excl. VAT/box
760202	Film 2 x 8 MiniStrips™ ClearLine®	200	NC -
760203	Film 2 x 8 MiniStrips™ ClearLine® sterile	200	NC -

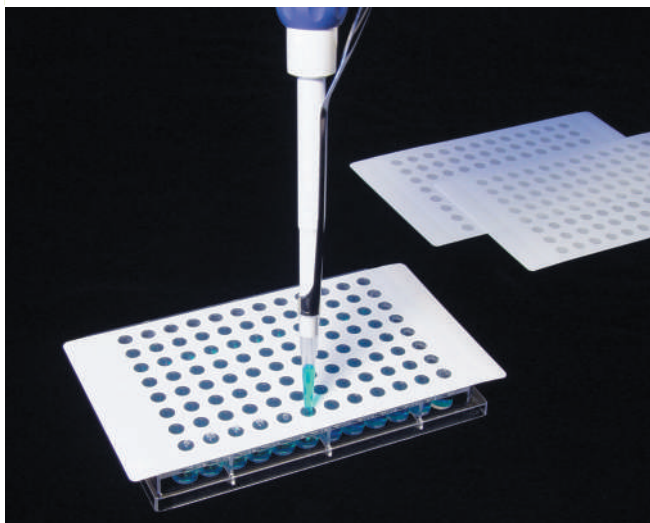
ClearLine® EZ-Pierce™ Film



- Easily pierceable film
- Polyethylene film, thickness 70 µm
- Acrylic adhesive
- For direct sample retrieval with single or multi-channel pipette tips or robotic systems
- Dimensions : 82.6 x 146.1 mm
- Can be used from -40 °C to +90 °C

Cat. No.	Description	Units/box	€ excl. VAT/box
760216	EZ-Pierce™ Adhesive Film	100	NC -
760247	EZ-Pierce™ Adhesive Film sterile	50	NC -

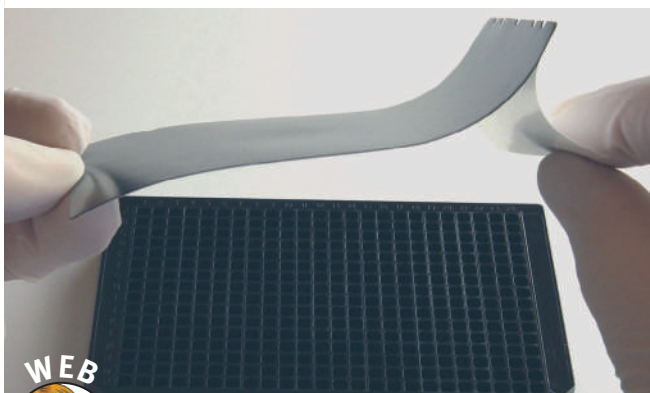
ClearLine® Zone-Free™ Film



- Film with polyethylene top layer
- Thickness : 70 µm
- Acrylic adhesive, white polypropylene underlay
- For direct sample retrieval with single or multi-channel pipette tips or robotic systems
- Dimensions : 79.4 x 142.9 mm
- The non-adhesive polyethylene layer prevents adhesive from remaining on the tip and coming into contact with the sample
- For 96-well plate
- Clear area above each well free of adhesive
- With installation tabs
- Inert
- Good chemical resistance
- Can be used from -40 °C to +90 °C

Cat. No.	Description	Units/bag	Units/box	€ excl. VAT/box
760220	Zone-Free™ Adhesive Film	50	50	NC -

ClearLine® AbsorbMax® and BrightMax® Films



Applications : fluorescence, luminescence.

- In 203.2 µm vinyl
- Operating temperature : -40 °C to 80 °C
- Without tab
- Opaque
- AbsorbMax: absorbs light, reduces stray light
- BrightMax: reflects light and increases sensitivity

Cat. No.	Description	Dimensions (mm)	Units/box	€ excl. VAT/box
760241	ClearLine® AbsorbMax® Film for black plate	114.3 x 76.2	100	NC -
760245	ClearLine® BrightMax® Film for white plate	116.1 x 76.2	100	NC -



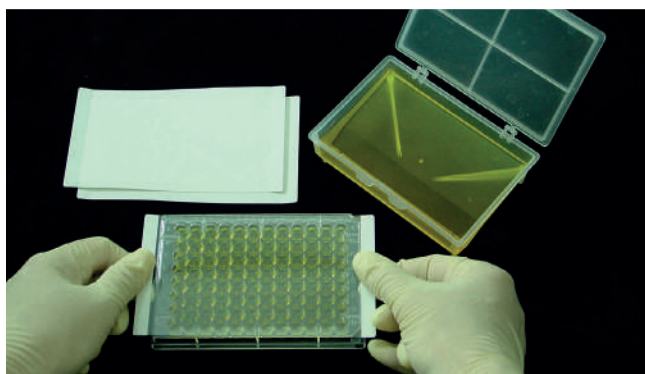
Enter the Cat. No. on dutscher.com to find the complete Excel film guide

ClearLine® ThinSeal™ Film

Applications: short-term storage, incubation, ELISA.

- > Made of 25.4 µm polyester
- > Operating temperature : -40 °C to 120 °C
- > For plates without collar
- > Dimensions without tab (mm): 121.2 x 79.4
- > With two detachable tabs
- > Transparent
- > Thin film easily pierced with a pipette tip

Cat. No.	Description	Units/box	€ excl. VAT/box
760204	Film ThinSeal™ ClearLine®	100	NC -
760205	Film ThinSeal™ ClearLine® sterile	100	NC -



ClearLine® ThermalSeal® 2 x 8 MiniStrips™ Films

- > Applications : short-term storage
- > Made of 50.8 µm polypropylene
- > Operating temperature : -40 °C to 120 °C
- > For 2 x 8-tube strips and plates
- > Dimensions without tab: 76.2 x 19.1 mm
- > With two detachable tabs
- > Transparent

Cat. No.	Description	Units/box	€ excl. VAT/box
760248	ClearLine® ThermalSeal® 2 x 8 MiniStrips™ Films	200	NC -



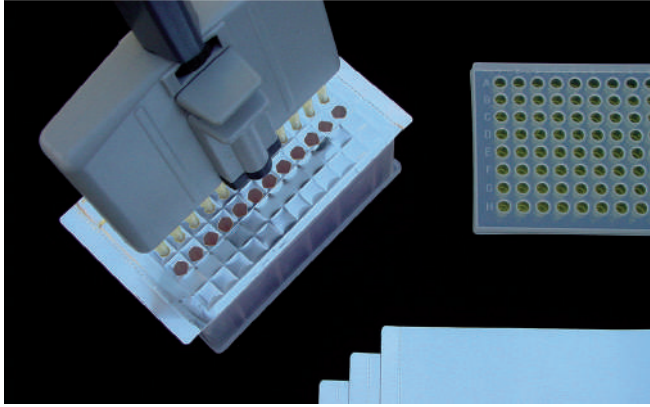
ClearLine® X-Pierce™ Film

- > 89 µm vinyl film with 18 µm adhesive layer
- > With pre-cut X for easy piercing of the adhesive with a pipette tip when taking samples
- > After sampling and removal of the tip, the "X" closes and the sample is still protected from contamination
- > Dimensions : 79.4 x 145.5 mm
- > Operating temperature : -40 °C to +90 °C

Cat. No.	Description	Units/box	€ excl. VAT/box
760234	X-Pierce™ Film	100	NC -
760235	X-Pierce™ Film, sterile	50	NC -



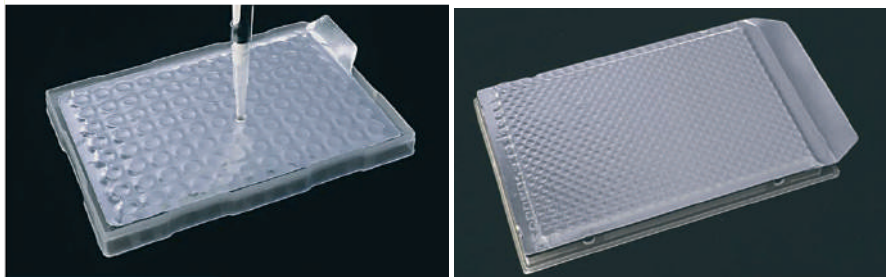
AlumaSeal® II™ ClearLine® Film



- > Applications : PCR, long-term storage
- > 38.1 µm aluminium
- > Operating temperature : -80 °C to +120 °C
- > Universal
- > Dimensions without tab: 125.4 x 82.6 mm
- > With two detachable tabs (except roll film)
- > Good chemical resistance
- > Pierceable, opaque
- > Does not withdraw into itself
- > Reusable and autoclavable applicator for flangeless plate sealing

Cat. No.	Description	Units/box	€ excl. VAT/box
760212	Film AlumaSeal® II™ ClearLine®	100	NC -
760213	Film AlumaSeal® II™ ClearLine® stérile	50	NC -
765248	Film AlumaSeal® II™ ClearLine™ in rolls of 100 m	1	NC -

AlumaSeal® 96 and AlumaSeal® 384 ClearLine® Films

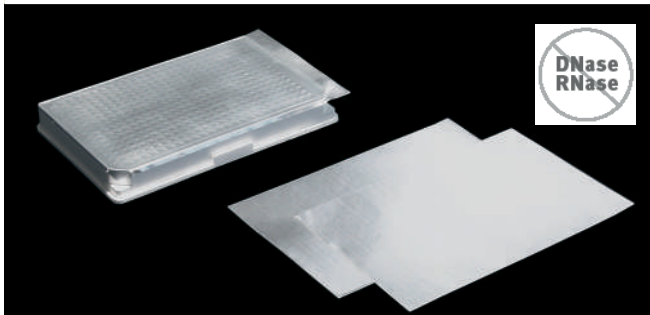


- > Applications : PCR, long-term storage
- > 38.1 µm aluminium
- > Operating temperature : -80 °C to +120 °C
- > With a tab
- > Drillable
- > Opaque
- > Reinforced sealing for 96-well plates

Cat. No.	Description	Dimensions (mm)	Units/box	€ excl. VAT/box
760231	AlumaSeal® 96 ClearLine® Film for non-skirted 96 plate	117,5 x 77,8	100	NC -
760232	AlumaSeal® 384 ClearLine® Film for 384-well or deep-well plate	123,8 x 82,6	100	NC -



Alumaseal® CS™ Adhesive film for freezing



- > For cold storage of microplates
- > Dimensions : 81.5 x 132.6 mm
- > Length without tabs : 123.04 mm
- > Withstands down to -80°C

Cat. No.	Description	Units/box	€ excl. VAT/box
760243	Film AlumaSeal® CS™	100	NC -
760244	Film AlumaSeal® CS™ sterile	50	NC -

eXTRreme™ FoilSeal™ ClearLine® Film for PCR



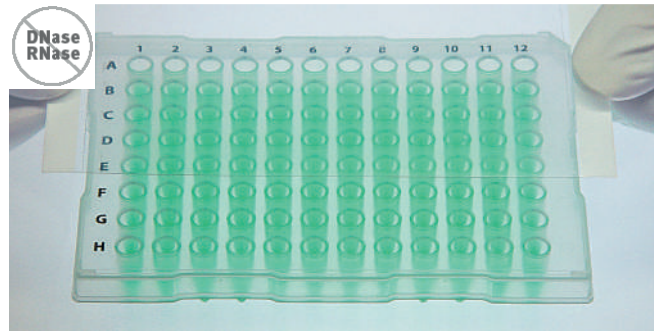
- > Universal aluminium waterproof film
- > Thickness : 50 µm
- > Dimensions : 78.3 x 135.9 mm
- > Length without tabs : 117.1 mm
- > Excellent chemical resistance (including DMSO)
- > Temperature : -20 °C to +120 °C
- > For light sensitive samples and robotic applications
- > Drillable with pipette tips and robotic tips
- > Can be removed without leaving a residue
- > With a detachable placement tab



Cat. No.	Description	Dimensions (mm)	Units/box	€ excl. VAT/box
765266	eXTRreme™ FoilSeal™ Film for PCR	78,3 X 129	100	NC -

ThermalSeal® RTS™ ClearLine®Film

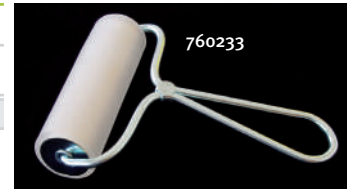
- > Applications: qPCR, long-term storage, crystallography and HPLC
- > Made of 50.8 µm polyofilm
- > Operating temperature : -80 °C to +105 °C
- > For non skirted plates
- > Dimensions without tab: 116.2 x 78.3 mm
- > With two detachable tabs (except roll film)
- > Optically clear, low autofluorescence
- > Good chemical resistance
- > Silicone adhesive is released only when pressure is applied for a perfect adhesion without interference with the sample



Cat. No.	Description	Units/box	€ excl. VAT/box
765246	ThermalSeal Film® RTS™ ClearLine®	100	NC -
765279	ThermalSeal Film® RTS™ ClearLine®	25	NC -
765265	ThermalSeal Film® RTS™ ClearLine® stérile	100	NC -
765249	ThermalSeal Film® RTS™ ClearLine® in 65 m rolls	1	NC -

Accessory

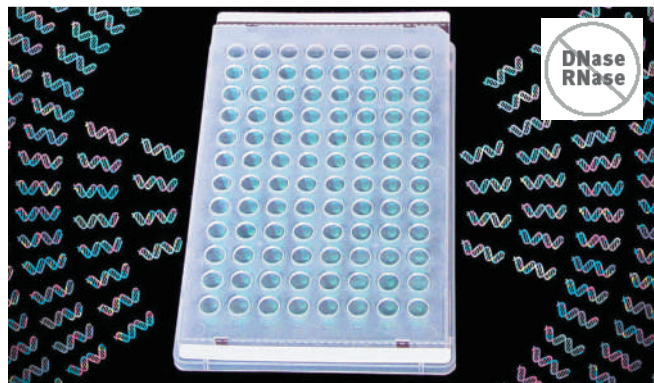
Cat. No.	Description	€ excl. VAT
760233	Applicator	NC -



ThermalSeal® ClearLine®Film

- > Applications : PCR
- > Made of 50.8 µm polypropylene
- > Operating temperature : -40 °C to 120 °C
- > For rigid polypropylene plates
- > Dimensions without tab: 123.1 x 79.4 mm
- > With two detachable tabs
- > Transparent
- > Easy to remove

Cat. No.	Description	Units/box	€ excl. VAT/box
760206	ClearLine® ThermalSeal®Film	100	NC -
760207	ClearLine® stérile ThermalSeal® Film	100	NC -



ClearLine® ThermalSeal® A™ and ThermalSeal® 2™ Films

- > Applications : PCR
- > Made of 50.8 µm polyester
- > Operating temperature : -40 °C to 120 °C
- > With two detachable tabs
- > Transparent
- > Strong adhesive to minimise evaporation

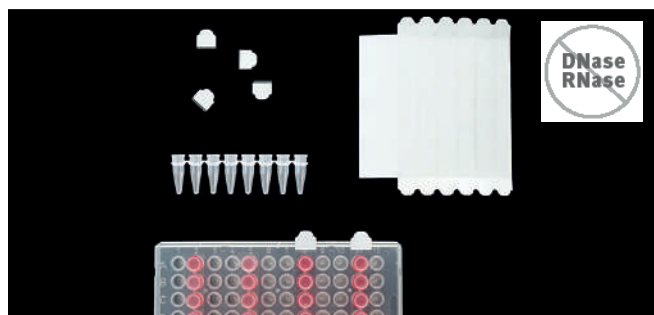
Cat. No.	Description	Dim. (mm)	Units/box	€ excl. VAT/box
760229	ThermalSeal® A™ ClearLine® Film for non-skirted plate	118.1 x 78.3	100	NC -
765264	ThermalSeal® 2™ ClearLine® for skirted or semi-skirted plate	125.1 x 79.4	100	NC -



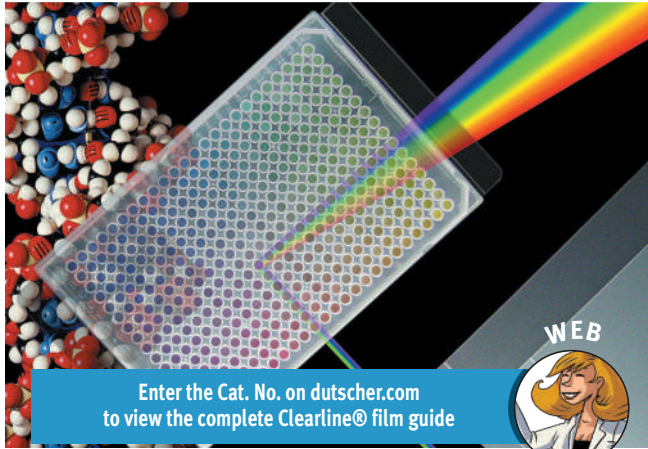
EZcap™ Film 1 x 8 PCR FilmStrips™ ClearLine®

- > Applications : PCR
- > Made of 50.8 µm polypropylene
- > Operating temperature : -20 °C to 120 °C
- > For 8-tube strips and plates
- > Dimensions without tab: 73.3 x 10.1 mm
- > With two detachable tabs
- > Transparent

Cat. No.	Description	Units/box	€ excl. VAT/box
765269	EZcap™ film 1 x 8 PCR FilmStrips™ ClearLine®	400	NC -



Films ThermalSeal® RT2™ and RT2RR™ ClearLine®



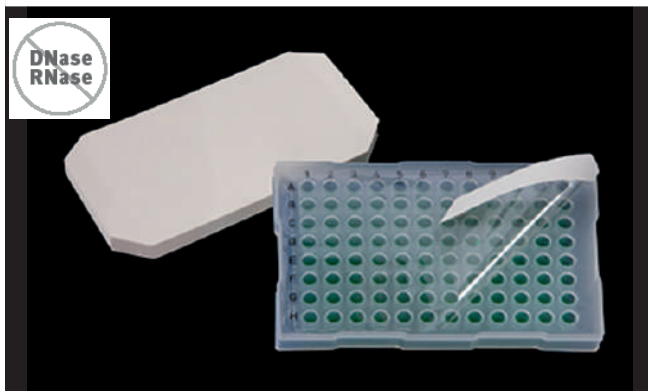
Enter the Cat. No. on dutscher.com to view the complete Clearline® film guide

- > Application: qPCR
- > Made of 50.8 µm polyester
- > Operating temperature : -40 °C to +120 °C
- > With two detachable tabs
- > Optically clear, low autofluorescence
- > High optical quality films with excellent adhesion



Cat. No.	Description	Dimensions (mm)	Units/box	€ excl. VAT/box
760236	ThermalSeal® RT2RR™ ClearLine® Film for non-skirted plate	118.1 x 77.8	100	NC -
760208	ThermalSeal® RT2™ ClearLine® Film for skirted or semi-skirted plate	121.9 x 79.4	100	NC -

eXTreme™ Seal ClearLine®Films



- > Applications : PCR
- > Made of 50.8 µm polyester
- > Operating temperature : -20 °C to 120 °C
- > With two detachable tabs
- > Transparent
- > Strong adhesive to minimise evaporation
- > Do not leave residues

Cat. No.	Description	Dim. (mm)	Units/box	€ excl. VAT/box
765267	eXTreme™ Seal ClearLine® Film for non-skirted plate	118.1 x 78.3	100	NC -
765276	eXTreme™ Seal Large ClearLine® Film for semi-skirted and skirted plate	121.9 x 81.5	100	NC -

FoilSeal™ ClearLine®Film



- > Applications : PCR
- > 50.8 µm aluminium
- > Operating temperature : -20 °C to 120 °C
- > Dimensions without tab: 118.1 x 78.3 mm
- > Universal
- > Single film with one detachable tab, roll film with two detachable placing tabs (width 10 mm)
- > Drillable
- > Opaque

Cat. No.	Description	Units/box	€ excl. VAT/box
765282	ClearLine®FoilSeal™ Film	100	NC -
765281	ClearLine®FoilSeal™ Film sterile	50	NC -
765270	Clearline® FoilSeal™ Film roll	500	NC -

EZcap™ Film 1 x 8 PCR FoilSeal™ ClearLine®



- > Applications : PCR
- > 50.8 µm aluminium
- > Operating temperature : -20 °C to 120 °C
- > For 8-tube strips and plates
- > Dimensions without tab: 81.2 x 10.1 mm
- > With two detachable tabs
- > Drillable
- > Opaque



Cat. No.	Description	Units/box	€ excl. VAT/box
765268	EZcap™ Film 1 x 8 PCR FoilSeal™ ClearLine®	300	NC -

STORAGE SCREENING

PIPETTING AND DISTRIBUTION

ClearLine®serology pipettes

ClearLine®

- > Made of crystal polystyrene
- > Sterile
- > Colour code

Vol. (ml)	Graduation (ml)	Colour code	Individual packaging paper/plastic				In bulk			
			Cat. No.	Units/ bag	Units/ box	€ excl. VAT/ box	Cat. No.	Units/ bag	Units/ box	€ excl. VAT/ box
1	0.01	Yellow	257000	100	1000	NC -	257005	25	1000	NC -
2	0.01	Green	257001	100	1000	NC -	257006	25	1000	NC -
5	0.1	Blue	257002	50	200	NC -	257007	25	500	NC -
10	0.1	Red	257003	50	200	NC -	257008	25	500	NC -
25	0.25	Magenta	257004	50	200	NC -	257009	10	200	NC -



ClearLine®serology pipette

ClearLine®

- > Bidirectional gradations
- > Negative gradations
- > Sterilised by gamma rays 10⁻⁶
- > CE IVD
- > Individual plastic / paper packaging
- > Colour code: grey



Cat.No.	Volume (ml)	Sterile	Packaging unit	Units/ bag	Units/ box	€ excl. VAT/box
390916	100	Yes	1	25	50	NC -



ClearLine®Pipette Controller

ClearLine®

- > For plastic and glass pipettes from 0.5 to 100 ml
- > Lightweight, ergonomic
- > Adjustable suction and delivery speeds
- > Autoclavable nosepiece at 121°C

Cat.No.	Description	€ excl. VAT
060863	ClearLine®Pipette Controller	NC -

Accessories

CatNo.	Description	€ excl. VAT
060873	Replacement nosepiece	NC -
060874	Silicone tip pipette holder	NC -
060875	Hydrophobic PTFE filter 0.2 µm	NC -
060876	Hydrophobic PTFE filter 0.45 µm	NC -
060877	Connector joint	NC -
257110	Battery for pipettor	NC -
257111	Mains charger for pipettor	NC -
257112	Control card for pipettor	NC -
060878	Charging station	NC -

> Supplied with :

- base load ;
- 0.2 µm PTFE filter;
- Battery Ni-MH AA 1300 mAh 2,4 V ;
- Wall mount.



PIPETTES
DISPENSING

SLS Select reagent dispensers



- > Precise and lockable volume control
- > Antidrip Cap
- > Easy calibration by the user
- > Fully autoclavable at 121°C
- > Delivered with certificate, calibration key, GL 25, GL 38, GL 40 and GL 45 adapters

Cat. No.	Volume (ml)	Graduation (ml)	€ excl. VAT
257148	1 - 10	0.2	NC -
257149	2.5 - 30	0.5	NC -
257150	5 - 60	1.0	NC -



ClearLine® Micropipettes



- ▶ Lightweight and easy to handle
- ▶ Soft spring system for working comfort
- ▶ Adjusting the height of the ejection system
- ▶ Fully autoclavable
- ▶ Resistant to UV

▶ Volume range

ClearLine® single-channel micropipettes

Volume (µl)	Colour code	Cat. No.	€ excl. VAT	Cat. No. Cofrac certified*	€ excl. VAT
0.1 - 2	Red	257029	NC -	257029C	NC -
0.5 - 10	Red	257030	NC -	257030C	NC -
2 - 20	Yellow	257031	NC -	257031C	NC -
10 - 100	Yellow	257032	NC -	257032C	NC -
20 - 200	Yellow	257033	NC -	257033C	NC -
100 - 1000	Blue	257034	NC -	257034C	NC -
500 - 5000	White	257035	NC -	257035C	NC -
1000 - 10000	White	257036	NC -	257036C	NC -

ClearLine® multichannel micropipettes

Volume (µl)	Colour code	8-channel				12-channel			
		Cat. No.	€ excl. VAT	Cat. No. Cofrac certified*	€ excl. VAT	Cat. No.	€ excl. VAT	Cat. No. certified Cofrac*	€ excl. VAT
1 - 10	Red	257037	NC -	257037C	NC -	257041	NC -	257041C	NC -
0.5 - 10	Yellow	257038	NC -	257038C	NC -	257042	NC -	257042C	NC -
20 - 200	Yellow	257039	NC -	257039C	NC -	257043	NC -	257043C	NC -
50 - 300	Green	257040	NC -	257040C	NC -	257044	NC -	257044C	NC -

* Cofrac certified micropipettes (3 volumes, 10 weighings) delivered with certificate.

ClearLine® Filtered and non-filtered tips



The ultimate solution for liquid samples.

- ▶ **Filter and non-filter tips** made of transparent polypropylene on a rack with a covering lid or on a hinged rack
- ▶ **ISO-8655** : the ISO-8655 standard established by an independent laboratory guarantees that the pipette tips used do not alter the technical specifications of precision and reproducibility given by the manufacturer. Find the ClearLine® tip verification reports with your micropipettes on our website www.dutscher.com/clearline
- ▶ 2 surface options : **standard or low binding**
- ▶ 2 Racks to choose from:
 - ClearLine® Rack : rack with covering lid
 - ClearLine® Plus Rack : hinged lid rack, stackable and colour-coded
- ▶ Compatible with all brands of micropipettes



ISO-8655 certification

Enter the reference on dutscher.com to find the application note guides

ClearLine® - universal compatibility Non-filtered tips, on rack

Photo N°**	Vol. (µl)	Description	Units/box	On ClearLine® rack				On ClearLine® Plus rack				Refill for rack ClearLine® Plus
				Standard tips		Low binding Tips		Standard tips		Low binding tips		Standard tips
				Non sterile	Sterile	Non sterile	Sterile	Non sterile	Sterile	Sterile	Non sterile	
4	10	Long fine tip 45 mm	10 x 96	030560ACL	030570ACL	-	-	713245	713246	713247	-	
3	10	Long tip 45 mm	10 x 96	037640CL	037660CL	037640TCL	037660TCL	713275	713276	713277	713268	
7	200	Natural Tip - length 50.7 mm	10 x 96	032230CL	032250CL	-	035100ACL	713248	713249	713250	713269	
7	200	Yellow Tip - length 50.7 mm	10 x 96	032240CL	032260CL	-	-	-	-	-	-	
-	300	Universal tip - length 59 mm	10 x 96	-	-	-	-	713251	713252	713253	713270	
10	1000	Blue Tip - length 72,8 mm	10 x 100	027110CL	027120CL	-	-	-	-	-	-	
11	1250	Long tip 102 mm	8 x 96	134750CL*	134760CL*	-	-	713254	713255	-	713271	
€ excl. VAT/box				NC -	NC -	NC -	NC -	NC -	NC -	NC -	NC -	

* On a hinged rack ** See photo of model with filter (next page) - not including this one

ClearLine® Filter and non-filter tips (continued)



Enter the reference on dutscher.com to find the application note guides

ClearLine® Filter tips, sterile, on rack

Photo number	Volume (µl)	Description	Compatibility	On ClearLine® rack			On ClearLine® Plus rack					
				Standard Tips		Low binding Tips		Low binding Tips				
				Cat. No.	Pack unit.	€ excl. VAT	Cat. No.	Pack unit.	€ excl. VAT	Cat. No.	Pack unit.	€ excl. VAT
1	0.1 - 10	Gilson short tip length 28.8 mm	Universal	028200CL	10 x 96	NC -	035200CL	10 x 96	NC -	-	-	-
2	0.5-10	Eppendorf long tip length 45.5 mm	Eppendorf, Socorex, Gilson, Rainin	015020CL	10 x 96	NC -	035210CL	10 x 96	NC -	-	-	-
3	0.1 - 10	Long tip 45 mm	Universal	038000CL	10 x 96	NC -	038000TCL	10 x 96	NC -	713278	10 x 96	NC -
4	0.1 - 10	Long fine point 45 mm	Universal	130340CL	10 x 96	NC -	-	-	-	713260	10 x 96	NC -
5	1 - 20	Universal tip - length 50.7 mm	Universal	014210CL	10 x 96	NC -	035220CL	10 x 96	NC -	713261	10 x 96	NC -
6	1 - 100	Universal tip - length 50.7 mm	Universal	036060CL	10 x 96	NC -	036060TCL	10 x 96	NC -	713262	10 x 96	NC -
7	1 - 200	Universal tip - length 50.7 mm	Universal	014220CL	10 x 96	NC -	035230CL	10 x 96	NC -	713263	10 x 96	NC -
8	20 - 200	Polyvalent tip for 20, 100 or 200 µl micropipette - length 78 mm	Universal	017370CL	10 x 96	NC -	035240CL	10 x 96	NC -	713264	8 x 96	NC -
9	1 - 300	Long tip 78 mm	Universal	130510CL	10 x 96	NC -	130510TCL	10 x 96	NC -	713265	8 x 96	NC -
10	100-1000	Universal tip - length 72.8 mm	Universal	014200CL	10 x 100	NC -	035260CL	10 x 100	NC -	-	-	-
11	50-1250	Long tip 102 mm	Universal	134000CL*	8 x 96	NC -	-	-	-	713266	8 x 96	NC -

NB: Photos are not to scale
* On hinged rack

Accessories

Cat. No.	Description	€ excl. VAT
713257	Empty box for refill ClearLine® Plus 10, 200 and 300 µl	NC -
713258	Empty box for refill ClearLine® Plus 1000 and 1250 µl	NC -

Filter and non-filter tips on hinged rack ClearLine®



- > Sterile Tips with or without filter
- > Filter tips, low binding : maximum sample recovery ensuring accurate dispensing of the volume dispensed
- > Universal compatibility

ADN humain

DNase RNase

Endo-toxines

Pyro-gènes

Inhibiteur de PCR

CE / IVD / ISO-8655 certification

Sterile filter tips on hinged rack ClearLine®

Vol. (µl)	Description	Tray colour	Pack unit.	Cat. No.	€ excl. VAT	Filter tip, sterile, low binding
10	10 µl graduated tip length : 31.24 mm	Red	10 x 96	713130	NC -	
10	10 µl long graduated tip length : 45.87 mm	Red	10 x 96	713114	NC -	
20	20 µl graduated tip length : 50.75 mm	Yellow	10 x 96	713115	NC -	
100	100 µl graduated tip length : 59.54 mm	Yellow	10 x 96	713116	NC -	
200	200 µl graduated tip length : 59.54 mm	Yellow	10 x 96	713117	NC -	
300	300 µl graduated tip length : 59.54 mm	Green	10 x 96	713131	NC -	
1000	1000 µl graduated tip length : 81.78 mm	Blue	8 x 96	713118	NC -	
1250	1000µl long graduated tip length : 98.40 mm	Blue	8 x 96	713119	NC -	

Sterile non-filter tips on hinged rack ClearLine®

Vol. (µl)	Description	Tray colour	Pack unit.	Cat. No.	€ excl. VAT	Cat. No.	€ excl. VAT	Non-filter tip, sterile, standard	Non-filter tip, stérile, low binding
10	10 µl graduated tip length : 31.24 mm	Red	10 x 96	713136	NC -	713142	NC -		
10	10 µl long graduated tip length : 45.84 mm	Red	10 x 96	713135	NC -	713141	NC -		
-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-		
200	200 µl graduated tip length : 50.75 mm	Yellow	10 x 96	713137	NC -	713143	NC -		
300	300 µl graduated tip length : 59.54 mm	Green	10 x 96	713138	NC -	713144	NC -		
1000	1000 µl graduated tip length : 83.09 mm	Blue	8 x 96	713139	NC -	713145	NC -		
1250	1000µl long graduated tip length : 98.40 mm	Blue	8 x 96	713140	NC -	713146	NC -		

TIPS MICROPIPETTES

ClearLine® hinged rack charging system

- Simple and fast charging system
- Standard or low binding tips, non-sterile, no filter, universal compatibility
- Ecological: cardboard packaging (reduction of plastic waste linked to the packaging of refill towers)
- Very small footprint: system requires 57% less storage space than other systems
- ClearLine® refill trays are compatible with ClearLine® hinged filter tip racks
- Available in Cleanpack resealable bags

ADN
humain

DNase
RNase

Endo-
toxines

Pyro-
gènes

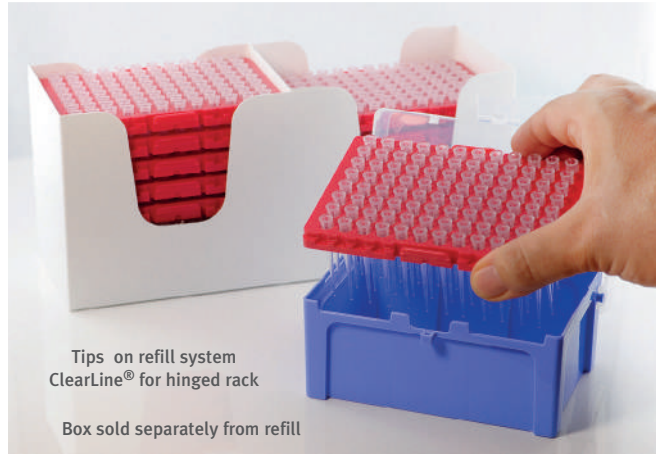
Inhibiteur
de PCR

CE

€

IVD

CE / IVD / ISO-8655 certification



Volume (µl)	Description	Tray colour	Standard tip refill						Low binding tip refill					
			Cardboard support			Cleanpack bag			Cardboard support			Cleanpack bag		
			Cat. No.	Pack unit.	€ excl. VAT	Cat. No.	Pack unit.	€ excl. VAT	Cat. No.	Pack unit.	€ excl. VAT	Cat. No.	Pack unit.	€ excl. VAT
10	10 µl graduated tip length : 31.24 mm	Red	713128	10 x 96	NC -	713165	5 x 960	NC -	713151	10 x 96	NC -	713172	5 x 960	NC -
10	10 µl long graduated tip, length : 45.84 mm	Red	713110	10 x 96	NC -	713166	5 x 960	NC -	713147	10 x 96	NC -	713173	5 x 960	NC -
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200	200 µl graduated tip length : 50.75 mm	Yellow	713111	10 x 96	NC -	713167	5 x 960	NC -	713148	10 x 96	NC -	713174	5 x 960	NC -
300	300 µl graduated tip Length : 59.54 mm	Green	713129	10 x 96	NC -	713168	5 x 960	NC -	713162	10 x 96	NC -	713175	5 x 960	NC -
1000	1000 µl graduated tip length : 81.78 mm	Blue	713112	8 x 96	NC -	713169	4 x 960	NC -	713149	8 x 96	NC -	713176	4 x 960	NC -
1250	1000 µl long graduated tip length : 98.40 mm	Blue	713113	8 x 96	NC -	713170	4 x 960	NC -	713150	8 x 96	NC -	713177	4 x 960	NC -

NB: Photos are not to scale

Empty boxes for ClearLine® refill system



Cat. No.	Description	Units/box	€ excl. VAT box
713120	Empty box for 10 µl tips to 300 µl ClearLine®	10	NC -
713121	Empty box for 1000 µl and 1250 µl tips ClearLine®	8	NC -



Baird-Parker

Recommended for the detection and enumeration of coagulase-positive staphylococci, including *Staphylococcus aureus* in food.

- Storage : 2 - 8 °C
- Incubation : 35 ± 2 °C for 24 - 48 h
- Incubation for ISO 11133 : 37 ± 1 °C for 24 ± 2 h then 24 ± 2 h more

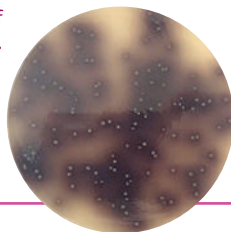
Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693396	ClearLine® Baird-Parker Agar - Flask 90 ml	10	NC -
693350	ClearLine® Baird-Parker Agar - Flask 100 ml	10	NC -

B.E.A - Bile esculin azide (agar) ISO 7899-2

For the selective isolation and identification of enterococci by the membrane filtration method.

- Storage 2 - 25 °C
- Incubation : 36 ± 2° C for 44 ± 4 h



Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693352	100 ml bottle of B.E.A. agar (bile esculine azide agar) - ISO 7899-2 - ClearLine®	10	NC -

Cetrimide (agar)

For the isolation and presumptive identification of *Pseudomonas aeruginosa*. Cetrimide is a quaternary ammonium that inhibits the growth of most other bacterial species. *Pseudomonas aeruginosa* stains this medium blue-green by producing pyocyanin.

- Storage : 2 - 25 °C
- Incubation : 35 °C ± 2 °C for 18 - 24 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693319	100 ml bottle of ketricimide agar - ClearLine®	10	NC -

Brain heart (broth) (Brain heart Infusion)

Rich medium used for the cultivation of demanding germs. Its use is recommended for the detection of *Staphylococcus aureus* in food.

- Storage : 2 - 25 °C
- Incubation : 35 °C - 37 °C for 24 - 48 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693353	100 ml bottle of heart and brain broth ISO 6888 - ClearLine®	10	NC -

Thinner pH 7

For multiple flora research.

- Storage : 2 - 25 °C

Cat. No.	Description	Pack.	€ excl. VAT
693426	9 ml tube of pH 7 thinner - ClearLine®	100	NC -

Thinner pH 7 with neutralizer

For multiple flora research.

- Storage : 2 - 25 °C

Cat. No.	Description	Pack.	€ excl. VAT
693427	Thinner in 9ml tube, pH 7 with neutralizer - ClearLine®	100	NC -
693446	Thinner in 200 ml bottle, pH 7 with neutralizer - ClearLine®	6	NC -
693442	Thinner in 300 ml bottle, pH 7 with neutralizer - ClearLine®	4	NC -

B.C.P. -Bromocresol Purple Lactose Agar - ISO 21528

Differential medium to guide the identification of lactose-fermenting and non-lactose-fermenting Enterobacteriaceae.

- Storage : 2 - 25 °C
- Incubation : 35 ± 2 °C for 18 to 24 h

Ready to use

Cat. No.	Description	Pack.	€ excl. VAT
693351	100 ml bottle for Bromocresol Purple Lactose Agar - ClearLine®	10	NC -

Chapman (agar)

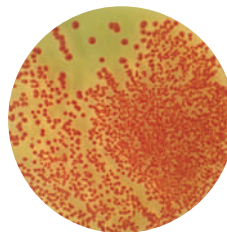
For the isolation of pathogenic *Staphylococci* which give yellow colonies by fermentation of mannitol and phenol red virage. Its high sodium chloride content inhibits the growth of most other species.

- Storage : 2 - 25 °C
- Incubation : 35 ± 2 °C for 18 - 24 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693444	200 ml bottle of Chapman Agar - ClearLine®	6	NC -

Chapman TTC (lactose agar with tergitol 7)



For the detection and enumeration of *Escherichia coli* and coliforms in water by the membrane filtration technique.

- Storage : 2 - 25 °C
- Incubation : 36 ± 2°C and 44 ± 4 °C for 21 ± 3 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693327	100 ml bottle of Tergitol 7 agar - ClearLine®	10	NC -

Columbia (agar)

For the detection of slow growing germs. Can be used with or without the addition of blood.

- Storage : 2 - 25 °C
- Incubation : 35 °C ± 2 °C, under atmosphere 5-10 % CO₂ for 48 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693354	Columbia Agar - ClearLine® - 100 ml bottle	10	NC -

D/E (Dey-Engley) Neutralizing Broth

For the determination of antiseptics and disinfectants.

- Storage : 2 - 8 °C
- Incubation : 37 °C for 48 h

Cat. No.	Description	Pack.	€ excl. VAT
693397	90 ml bottle of D/E Neutralizing Broth - ClearLine®	10	NC -
693355	100 ml bottle of D/E Neutralizing Broth - ClearLine®	10	NC -

DRBC (Agar) - Dichloran Rose Bengal Chloramphenicol

Recommended for the detection and enumeration of yeasts and moulds in food and feed products with an aw > 0,95.

- > Storage : 2 - 8 °C
- > Incubation : 25 °C for 2-5 days

Cat. No.	Description	Pack.	€ excl. VAT
693360	100 ml bottle of DRBC agar - ClearLine®	10	NC -

Sterile distilled water

For dilutions or making bacterial suspensions.

- > Storage 2 - 25 °C
- > Maximum conductivity 10 µS/cm

Cat. No.	Description	Pack.	€ excl. VAT
693310	10 ml tube of sterile distilled water - ClearLine®	100	NC -

Alkaline peptone water

For the enrichment of Vibrio in food samples, water.

- > Storage : 2 - 25 °C
- > Incubation : 35 ± 2 °C for 24 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693428	9 ml tube of alkaline peptone water - ClearLine®	100	NC -
693456	225 ml bottle of alkaline saline peptone water - ClearLine®	6	NC -

Buffered peptone water

Thinner used for the preparation of food samples. In particular, it is used as a non-selective pre-enrichment medium for the detection of Salmonella according to standard 6579, as a diluent for the enumeration of micro-organisms according to standard 6887, and as a diluent for the enumeration of Listeria monocytogenes according to standard EN ISO 11290-2.

- > Storage : 2 - 25 °C
- > Incubation : 37 ± 2 °C for 24 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693429	9 ml tube of Buffered Peptone Water - ClearLine®	100	NC -
693400	90 ml bottle of buffered peptone water - ClearLine®	10	NC -
994511	5 litre pouch of buffered peptone water - ClearLine®	55	NC -

Thinner pH 7 with Tween 80 (1%)

For multiple flora research. The addition of Tween 80 allows for neutralisation and better homogenisation of certain preparations.

- > Storage : 2 - 25 °C

Cat. No.	Description	Pack.	€ excl. VAT
693309	Thinner in 9 ml tube, pH 7 with Tween 80 (1%) - ClearLine®	100	NC -
693398	Thinner in 90 ml bottle, pH 7 with Tween 80 (1%) - ClearLine®	10	NC -
693359	Thinner in 100 ml bottle, pH 7 with Tween 80 (1%) - ClearLine®	10	NC -

Buffered peptone water double concentration

Thinner used for the preparation of food samples. The double buffer concentration allows it to be used with highly acidic or alkaline products.

- > Storage : 2 - 25 °C
- > Incubation: depending on the protocol

Cat. No.	Description	Pack.	€ excl. VAT
693335	225 ml bottle of buffered peptone water double concentratio - ClearLine®	6	NC -

Buffered peptone water + tween 80 (4 g/l)

For the recovery of salmonella from foods with selective enrichment and isolation.

- > Storage : 2 - 25 °C
- > Incubation : 37 °C for 24 h

Cat. No.	Description	Pack.	€ excl. VAT
693459	225 ml bottle of buffered peptone water + Tween 80 (4 g/l) - ClearLine®	6	NC -

Sterile physiological water (0.85%)

Iso tonic diluent used for diluting or making bacterial suspensions.

- > Storage : 2 - 25 °C

Cat. No.	Description	Pack.	€ excl. VAT
693462	2 ml tube of sterile physiological water (0.85%) - ClearLine®	6	NC -
693423	2 ml tube of sterile physiological water (0.85%) - ClearLine®	100	NC -

Buffered peptone water with neutralizer

Thinner used for the preparation of food samples. In particular for pre-enrichment and for the recovery of salmonella before selective enrichment and isolation. The addition of Tween 80 allows for neutralisation and better homogenisation of certain preparations.

- > Storage : 2 - 25 °C
- > Incubation : 37 °C for 24 h

Cat. No.	Description	Pack.	€ excl. VAT
693458	225 ml bottle of buffered peptone water with neutralizer (10%) - ClearLine®	6	NC -

Eugon LT100 (broth)

For the enrichment of micro-organisms. Recommended for the enumeration of aerobic mesophilic bacteria, yeast and moulds and *Pseudomonas aeruginosa*, *Staphylococcus aureus*.

► Storage : 2 - 25 °C

► Incubation : 30 - 35 °C for 24 to 72 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693300	9 ml tube of eugon broth LT100 - ClearLine®	100	NC -
693401	90 ml bottle of eugon broth LT100 - ClearLine®	10	NC -

Half Fraser

For the detection and enumeration of *Listeria* in food products.

► Storage : 2 - 8 °C

► Incubation (according to standard 11290) : 30 °C for 25 hours ± 1 hour

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693460	225 ml bottle of Half Fraser broth - ClearLine®	6	NC -
994512	5 litres pouch of Half Fraser broth - ClearLine®	55	NC -

Kligler Hajna (agar)

For the presumptive identification of enterobacteria based on the fermentation of glucose, lactose, sucrose and the production of gas and H₂S.

For the detection of salmonella in food and dairy products.

► Storage : 2 - 25 °C in the dark

► Incubation : 37 °C for 18 - 24 h

Cat. No.	Description	Pack.	€ excl. VAT
693436	Kligler Hajna Agar Slant Tube - ClearLine®	100	NC -

Fraser

For the detection and enumeration of *Listeria* in food products.

► Storage : 2 - 25 °C (for the base) and 2 - 8 °C (for the ready-to-use medium)

► Incubation : 30°C ± 1°C for 24 hours ± 2 hours

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693409	10 ml tube of Fraser broth in accordance with ISO 11290-1 - ClearLine®	100	NC -

DG18 agar

For the detection and enumeration of yeasts and moulds in dry products with an aw < 0.95.

► Storage : 2 - 8 °C in the dark

► Incubation : 25 °C for 5 days in a humid aerobic atmosphere

Cat. No.	Description	Pack.	€ excl. VAT
693356	DG18 Agar 100 ml bottle - ClearLine®	10	NC -

Lactose sulphite (broth)

For the culture of coliforms and salmonella in water, food, dairy products.

► Storage : 2 - 8 °C

► Incubation : 46 °C for 18 - 24 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693314	8 ml tube of Durham broth lactose sulphite - ClearLine®	100	NC -
693408	9 ml tube with Durham bell broth lactose sulphite - ClearLine®	100	NC -

Liver meat (Agar)

Recommended for the detection and enumeration of sulphite-reducing clostridium spores in food products.

► Storage : 2 - 8 °C

► Incubation : 37 °C for 24 - 48 h

Cat. No.	Description	Units/box	€ excl. VAT/box
693421	20 ml tube of Meat & Liver agar, complete - ClearLine®	6	NC -
693392	100 ml bottle of Meat & Liver agar, complete - ClearLine®	10	NC -

V.R.B.G. (Violet Red Bile Glucose)

VRBG agar is recommended for the detection and enumeration of Enterobacteriaceae in foods.

► Storage : 2 - 25 °C in the dark

► Incubation : 30 - 35 °C for 18 - 24 h

Ready-to-use media

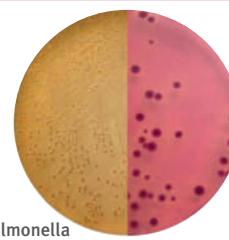
Cat. No.	Description	Units/box	€ excl. VAT/box
693393	100 ml bottle of V.R.B.G. agar - ClearLine®	10	NC -
853077B	V.R.B.G. contact box	20	NC -

V.R.B.L. (Violet Red Bile Lactose)

VRBL agar is recommended for the detection of coliforms in food and dairy products.

► Storage: 2 - 25°C in the dark

► Incubation : 30 - 35 °C for 18 - 24 h



Salmonella gallinarum

Escherichia coli

Ready-to-use media

Cat. No.	Description	Units/box	€ excl. VAT/box
693394	100 ml bottle of V.R.B.L. agar - ClearLine®	10	NC -
853074B	V.R.B.L. contact box	20	NC -

LB Lennox formulation (agar)

A medium recommended in molecular microbiology for the culture of *Bacillus subtilis*, *Daptobacter* and recombinant strains of *Escherichia coli*.

► **Composition (g/l) :**

Tryptone	10	Sodium chloride	5
Yeast extract	5	Agar	15

► **Storage : 2 - 8 °C**

► **Incubation : 35 °C ± 2 °C for 18 - 24 h**

Cat. No.	Description	Pack.	€ excl. VAT
693363	LB Lennox Agar - 100 ml bottle - ClearLine®	10	NC -

LB Lennox base (broth)

Broth recommended in molecular microbiology for the cultivation of *Bacillus subtilis*, *Daptobacter* and recombinant strains of *Escherichia coli*.

► **Composition (g/l) :**

Tryptone	10	Sodium chloride	5
Yeast extract	5	-	-

► **Storage : 2 - 8 °C**

► **Incubation : 35 °C ± 2 °C for 18 - 24 h**

Cat. No.	Description	Pack.	€ excl. VAT
693362	LB Lennox Broth - 100 ml bottle - ClearLine®	10	NC -

Luria LB base (agar)

A medium recommended in molecular microbiology for the culture of *Bacillus subtilis*, *Daptobacter* and recombinant strains of *Escherichia coli*.

► **Composition (g/l) :**

Tryptone	10	Sodium chloride	0.5
Yeast extract	5	Agar	15

► **Storage : 2 - 8 °C**

► **Incubation : 35 °C ± 2 °C for 18 - 24 h**

Cat. No.	Description	Pack.	€ excl. VAT
693365	100 ml bottle of Luria LB Agar - ClearLine®	10	NC -

Lethen (broth)

Used in the cosmetics industry to neutralise the action of conservatives before microbiological examination or to determine the bactericidal activity of quaternary ammoniums.

► **Storage 2 - 8 °C**

Cat. No.	Description	Pack.	€ excl. VAT
693430	9 ml tube Lethen broth - ClearLine®	100	NC -
693411	10 ml tube Lethen broth - ClearLine®	100	NC -
693323	100 ml bottle Lethen broth - ClearLine®	10	NC -

LB broth (Luria)

A medium recommended in molecular microbiology for the culture of *Bacillus subtilis*, *Daptobacter* and recombinant strains of *Escherichia coli*.

► **Composition (g/l) :**

Tryptone	10	Sodium chloride	0.5
Yeast extract	5	-	-

► **Storage : 2 - 8 °C**

► **Incubation : 35 °C ± 2 °C for 18 - 24 h**

Cat. No.	Description	Pack.	€ excl. VAT
693364	100 ml bottle of Luria LB broth - ClearLine®	10	NC -

Miller-Luria LB base (agar)

A medium recommended in molecular microbiology for the culture of *Bacillus subtilis*, *Daptobacter* and recombinant strains of *Escherichia coli*.

► **Composition (g/l) :**

Tryptone	10	Sodium chloride	10
Yeast extract	5	Agar	15

► **Storage : 2 - 8 °C**

► **Incubation : 35 °C ± 2 °C for 18 - 24 h**

Cat. No.	Description	Pack.	€ excl. VAT
693367	Luria Agar (Miller's LB Broth Base) - 100 ml bottle - ClearLine®	10	NC -

Miller-Luria LB base (broth)

A medium recommended in molecular microbiology for the culture of *Bacillus subtilis*, *Daptobacter* and recombinant strains of *Escherichia coli*.

► **Composition (g/l) :**

Tryptone	10	Sodium chloride	10
Yeast extract	5	-	-

► **Storage : 2 - 8 °C**

► **Incubation : 35 °C ± 2 °C for 18 - 24 h**

Cat. No.	Description	Pack.	€ excl. VAT
693366	LB Miller Broth base 100 ml Bottle - ClearLine®	10	NC -

Modified Lethen (broth)

To neutralise the action of conservatives before microbiological examination.

► **Storage : 2 - 8 °C**

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693431	9 ml tube of modified lethen broth - ClearLine®	100	NC -
693402	90 ml bottle of modified lethen broth - ClearLine®	10	NC -
693447	200 ml bottle of modified lethen broth - ClearLine®	6	NC -

Mac Conkey (broth) - according to pharmacopoeia

For the detection of coliforms in water, milk and pharmaceutical preparations.

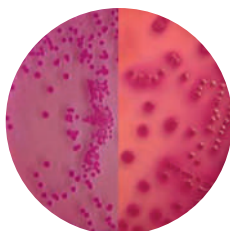
- Storage : 2 - 25 °C
- Incubation : 42 - 44 °C for 24 - 48 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693302	100 ml bottle of Mac Conkey Broth - ClearLine®	10	NC -

Mac Conkey (agar) - according to pharmacopoeia

Differential medium to guide the identification of lactose-fermenting and non-lactose-fermenting Enterobacteriaceae. It is recommended for the detection of *Escherichia coli* in water, food, dairy products and pharmaceutical preparations.



Enterobacter aerogenes Escherichia coli

- Storage : 2 - 25 °C
- Incubation
- According to ISO 21567 : 37 ± 1 °C for 20 - 24 h
- According to ISO 21150 : 30 - 35 °C for 24 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693369	100 ml bottle of Mac ConkeyBroth* - ClearLine®	10	NC -
693448	100 ml bottle of Mac ConkeyBroth* - ClearLine®	6	NC -

* Not in accordance with the pharmacopoeia

Mossel (Broth) - EE (Broth)

Enrichment broth for Enterobacteriaceae according to Mossel is a selective medium recommended for the investigation of Enterobacteriaceae in foods. Complies with the European Pharmacopoeia.

- Storage : 2 - 8 °C
- Incubation : 37 °C for 24 - 48 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693413	9 ml tube of Mossel* broth - ClearLine®	100	NC -
693371	100 ml bottle of Mossel broth- ClearLine®	10	NC -

* Not in accordance with the pharmacopoeia

Mueller Hinton (Agar)

Reference medium for antibiotic and sulphonamide susceptibility testing of germs.

- Storage : 2 - 8 °C
- Incubation : 35 ± 2 °C for 24 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693373	100 ml bottle of Mueller Hinton agar - ClearLine®	10	NC -

Mannitol mobility nitrate

For the presumptive identification of Enterobacteriaceae based on mannitol fermentation, germ mobility and nitrate to nitrite reduction.

- Storage : 2 - 8 °C
- Incubation : 35 ± 2 °C for 18 - 24 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693461	10 ml tube mannitol mobility nitrate - ClearLine®	6	NC -
693412	10 ml tube mannitol mobility nitrate - ClearLine®	100	NC -

Malt (Agar)

Recommended for the detection, isolation and enumeration of yeasts and moulds.

- Storage : 2 - 8 °C
- Incubation : 25 - 30 °C for 18 - 72 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693437	Slant tube malt extract agar - ClearLine®	100	NC -
693370	100 ml bottle malt extract agar - ClearLine®	10	NC -

MRS deMan,Rogosa, Sharpe (Broth)

For lactobacillus culture.

- Storage : 2 - 8 °C
- Incubation : 35 °C for 3 days or 30 °C for 5 days in a CO₂enriched atmosphere

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693432	9 ml tube of MRS broth - ClearLine®	100	NC -
693344	100 ml bottle of MRS broth - ClearLine®	10	NC -

MRS deMan,Rogosa, Sharpe (Agar)

For lactobacillus culture. The pH 5.4 medium allows the enumeration of *Lactobacillus bulgaricus* in yoghurt.

- Storage : 2 - 8 °C
- Incubation : 35 °C for 3 days or 30 °C for 5 days in a CO₂enriched atmosphere

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693449	200 ml bottle of MRS agar - ClearLine®	6	NC -

MRS deMan,Rogosa, Sharpe pH 5.7 (Agar)

The pH 5.7 medium allows the enumeration of mesophilic lactic acid bacteria

- Storage : 2 - 8 °C
- Incubation : 35 °C for 3 days or 30 °C for 5 days in a CO₂enriched atmosphere

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693372	100 ml bottle of MRS agar pH 5.7 ClearLine®	10	NC -

Neutralizer

The neutralizer mixture is added to the pre-enrichment medium whenever the presence of disinfectant solution is known or suspected. As a general rule, this mixture should be used at a rate of 10% of the final volume of the pre-enrichment medium.

➤ **Storage 15 - 25 °C in the dark**

Formula in g/l			
Disodium phosphate	100.8	L-Histidine HCL	1
Sodium thiosulphate	7.8	Tween 80	30
Lecithin	3	Distilled water	857.4

Cat. No.	Description	Units/box	€ excl. VAT/box
693422	ClearLine® Neutralizer - Tube 25 ml	100	NC -

Universal neutralizer

The neutralizer mixture is added to the pre-enrichment medium whenever the presence of disinfectant solution is known or suspected. As a general rule, this mixture should be used at a rate of 10% of the final volume of the pre-enrichment medium.

➤ **Storage 15 - 25 °C in the dark**

Formula in g/l			
Disodium phosphate	75.45	Tween 20	20
Sodium thiosulphate	7.8	Tween 80	30
Lecithin	3	Distilled water	950
L-Histidine HCL	1		

Cat. No.	Description	Units/box	€ excl. VAT/box
693329	Universal neutralizer ClearLine® - 100 ml bottle	10	NC -

Peptone (salt of)

Low peptone isotonic diluent used for dilutions in food analysis.

➤ **Storage 20 - 25 °C**

Cat. No.	Description	Units/box	€ excl. VAT/box
693304	Peptone salt ClearLine® - 9 ml Tube	100	NC -
693424	Peptone salt ClearLine® - 25 ml Tube	100	NC -
693395	Peptone salt ClearLine® - 45 ml bottle	10	NC -
693305	Peptone salt ClearLine® - 90 ml bottle	10	NC -

Nutrient agar with sodium chloride ISO 21258

Medium recommended by ISO 21258 for the confirmation of Enterobacteriaceae.

➤ **Storage : 2 - 25 °C**

➤ **Incubation : 37 ± 1 °C for 24 ± 2 h**

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693374	100 ml bottle of nutrient agar with sodium chloride - ClearLine®	10	NC -

O.G.A. (Oxytetracycline Glucose Agar) (O.G.Y.E.)

Recommended for the enumeration of yeasts and moulds in milk, dairy products and food.

➤ **Storage : 2 - 25 °C**

➤ **Incubation : 20 - 25 °C for 5 - 7 days**

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693375	100 ml bottle O.G.A. agar (O.G.Y.E.) - ClearLine®	10	NC -

PCA Plate count agar

For the investigation of total flora in food products.

➤ **Storage : 8 - 15 °C**

➤ **Incubation : 30 °C for 72 h**

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693339	200 ml bottle - PCA agar - ClearLine®	6	NC -
693438	Sloped tube - PCA agar - ClearLine®	100	NC -
853075B	PCA contact boxes	20	NC -

PCA skimmed milk

For the investigation of total flora in food products.

➤ **Storage : 2 - 25 °C**

➤ **Incubation :**

- According to ISO 11133: 30 ± 1°C for 72 h ± 3 h
- according to APHA: 32 ± 2 °C for 18 - 48 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693376	100 ml bottle - PCA skimmed milk agar - ClearLine®	10	NC -

PCA without glucose (Agar)

Used in water bacteriology for the enumeration of revivable microorganisms by counting.

➤ **Storage : 2 - 25 °C**

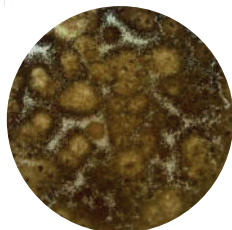
➤ **Incubation :**

- For a series of boxes: 36 ± 2 °C for 44 h ± 4 h
- For another set of boxes: 22 ± 2 °C for 68 ± 4 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693377	100 ml bottle - PCA agar without glucose - ClearLine®	10	NC -

Sweet potato (Agar)



Aspergillus brasiliensis

A medium for the cultivation and identification of yeasts and moulds in food.

- Storage : 2 - 25 °C
- Incubation : 30 ± 2°C for 18 - 48 h up to 7 days if necessary (for Trichophyton menragrophytes culture)

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693377	100 ml bottle - sweet potato - ClearLine®	10	NC -

R2A (Agar)

For the heterotropic enumeration of bacteria in drinking water by the membrane filtration technique or agar plating.

- Storage : 2 - 25 °C
- Incubation :
 - According to the standard methods for water and wastewater: 20 - 28 °C for 5 - 7 days then 35 °C for 5 - 7 days
 - According to the pharmacopoeia : 30 - 35 °C for at least 5 days
 - For general use : 35 ± 2 °C for 24 - 72 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693379	100 ml bottle - R2A agar - ClearLine®	10	NC -

Ringer

Thinner for general use in the dairy industry.

- Storage : 20 - 25 °C

Cat. No.	Description	Units/box	€ excl. VAT/box
693406	ClearLine® Ringer tablets (1/4 solution)	100	NC -
693348	ClearLine® 1/4 Ringer solution - 90 ml bottle	10	NC -

Rappaport Vassiliadis (RV - Broth)

For the selective enrichment of salmonella in foodstuffs.

- Storage : 2 - 8 °C
- Incubation : 30 - 35 °C for 18 - 24 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693414	10 ml tube - Rappaport Vassiliadis broth - ClearLine®	100	NC -
693380	100 ml bottle - Rappaport Vassiliadis broth - ClearLine®	10	NC -

Rappaport Vassiliadis Soja (RVS - Broth)

For the selective enrichment of salmonella in foodstuffs or pharmaceutical products.

- Storage : 2 - 8 °C
- Incubation : 41.5 ± 1 °C for 24 ± 3 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693445	10 ml tube - Rappaport Vassiliadis soy broth - ClearLine®	100	NC -

Rose Bengal + Chloramphenicol + Dichloran ISO 11133 / ISO 21527 (DRBC - Agar)

A medium for the enumeration of yeasts and moulds in foods.

- Storage : 2 - 25 °C
- Incubation : 25 ± 1°C for 5 days

Cat. No.	Description	Pack.	€ excl. VAT
693360	DRBC Agar 100 ml bottle - ClearLine®	10	NC -



Aspergillus brasiliensis

Glucose-rich sabouraud (Broth)

For the growth of a wide variety of yeasts and moulds.

- Storage : 2 - 25 °C
- Incubation : 20 - 25 °C for 2 to 5 days

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693416	10 ml tube of sabouraud glucosed broth - ClearLine®	100	NC -
693381	100 ml bottle of sabouraud glucosed broth - ClearLine®	10	NC -

Sabouraud glucose (Agar)

For the growth and isolation of a wide variety of yeasts and moulds.

- Storage : 2 - 25 °C
- Incubation : 20 - 25 °C for 2 to 5 days

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693382	100 ml bottle of sabouraud glucose agar - ClearLine®	10	NC -
693450	200 ml bottle of sabouraud glucose agar - ClearLine®	6	NC -

Sabouraud + chloramphenicol (Agar)

For the growth and isolation of a wide variety of yeasts and moulds.

- Storage : 2 - 25 °C
- Incubation : 20 - 25 °C for 2 to 5 days

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693439	Tube with Glucose sabouraud slant tube + chloramphenicol - ClearLine®	100	NC -
693383	100 ml bottle of sabouraud glucose agar + chloramphenicol - ClearLine®	10	NC -
693451	200 ml bottle of sabouraud glucose agar + chloramphenicol - ClearLine®	6	NC -

Sabouraud + chloramphenicol + cycloheximide (Agar)

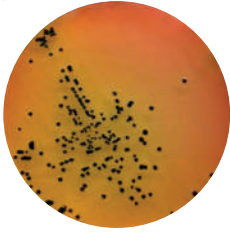
Allows the growth and isolation of a wide variety of yeasts and moulds. Chloramphenicol inhibits the growth of bacteria. Cycloheximide inhibits the growth of saprophytic fungi but has no effect on pathogenic fungi.

- Storage : 2 - 8 °C
- Incubation : 30 °C for 2-5 days

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693440	Slant agar tube with sabouraud glucose + chloramphenicol + cycloheximide - ClearLine®	100	NC -
693332	200 ml bottle sabouraud glucose agar + chloramphenicol + cycloheximide - ClearLine®	6	NC -

S.S. (Salmonella Shigella - Agar)



Salmonella typhimurium

For the selection and isolation of Salmonella and Shigella.

- > Storage : 2 - 25 °C
- > Incubation : 35 ± 2 °C for 18 - 24 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693385	100 ml bottle of S.S. agar - ClearLine®	100	NC -

Selenite cystine (Broth)

For the selective enrichment of Salmonella in water or foodstuffs.

- > Storage : 2 - 8 °C
- > Incubation : 35 ± 2 °C for 18 - 24 h

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693417	10 ml tube of Selenite Cystine agar - ClearLine®	100	NC -
693386	100 ml bottle of Selenite Cystine agar - ClearLine®	10	NC -

TAT (Broth)

For the detection of bacterial contamination. Soy lecithin and Tween® 20 neutralise the conservatives.

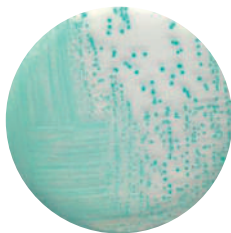
- > Storage : 2 - 8 °C
- > Incubation : 35 ± 2 °C for 18 - 48 h

Cat. No.	Description	Units/box	€ excl. VAT/box
693403	90 ml bottle of TAT broth + Tween®20 - ClearLine®	10	NC -

T.B.X. (Tryptone Bile x-Glucuronide - Chromogenic agar)

For the detection and enumeration of Escherichia coli in food.

- > Storage : 2 - 8 °C in the absence of light
- > Incubation : 44 ± 1 °C for 21 ± 3 h



Escherichia coli

Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693388	100 ml bottle TBX agar - ClearLine®	10	NC -
693452	200 ml bottle TBX agar - ClearLine®	6	NC -

Thioglycolate with resazurin (Broth)

To detect the presence of viable aerobic, microaerobic, and anaerobic microorganisms in normally sterile products.

- > Storage : 2 - 25 °C
- > Incubation : 30 - 35 °C for 3 days

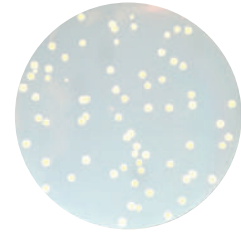
Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693418	10 ml tube of thioglycolate broth with resazurin - ClearLine®	100	NC -
693389	100 ml bottle of thioglycolate broth with resazurin - ClearLine®	10	NC -

T.S.A. (Tryptiboxin Soy Agar) (Agar)

A general purpose medium for the growth and isolation of a wide variety of micro-organisms. It can be supplemented with 5-7% sans to determine haemolytic reactions.

- > Storage : 2 - 8 °C
- > Incubation : 35 ± 2 °C for 18 - 24 h



Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693390	Tryptiboxin soy agar (TSA) 100 ml bottle - ClearLine®	10	NC -
693455	Tryptiboxin soy agar (TSA) 200 ml bottle - ClearLine®	6	NC -

T.S.B. (Tryptiboxin Soy Broth)

A general purpose medium, allowing the growth of a wide variety of micro-organisms. It is recommended by the European and American pharmacopoeia.

- > Storage : 2 - 25 °C
- > Incubation : 30 ± 1 °C for 48 ± 4 h

Ready-to-use media

Cat. No.	Description	Units/box	€ excl. VAT/box
693419	10 ml tube with Tryptic soy broth (TSB) - ClearLine®	100	NC -
693404	100 ml bottle with Tryptic soy broth (TSB) - ClearLine®	10	NC -
693454	200 ml bottle with Tryptic soy broth (TSB) - ClearLine®	6	NC -

T.S.N. (Tryptone sulfite with neomycin)

Recommended for the detection and enumeration of Clostridium perfringens and sulphite reducing anaerobes in certain foods.

- > Storage : 2 - 8 °C
- > Incubation : 48 ± 1 °C for 18 - 24 h

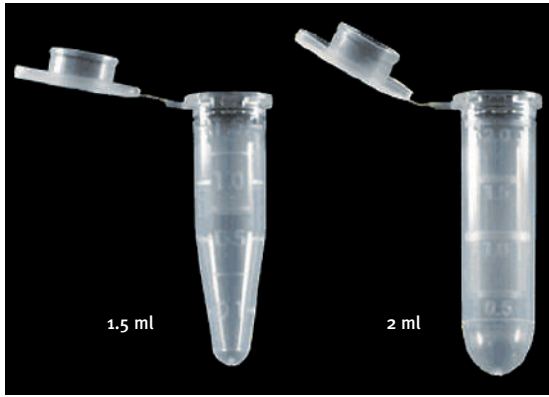
Ready-to-use media

Cat. No.	Description	Pack.	€ excl. VAT
693420	20 ml tube of T.S.N. agar - ClearLine®	100	NC -

TUBES AND RACKS

ClearLine®

ClearLine®standard microtubes



Volume (ml)	1.5		2	
Diameter (mm)	10.8	10.8	10.8	10.8
Height (mm)	41	41	42	42
Material	Virgin polypropylene			
Sterile	No			
Cap Type	Snap; pierceable			
Autoclavable	Yes			
Max centrifugal speed (g)	25000			
Graduation	Yes on tube and cap			
Marking area	Yes			
Operating temperature	-80 °C to +121 °C			
Specifications	Free of DNases, RNases, human DNA, endotoxins, ATP and PCR inhibitors; CE IVD marked			
Units/box	2 resealable bags of 500 Microtubes	1000 tubes	2 resealable bags of 500 Microtubes	1000 tubes
Cat. No. natural	390689	390690	390691	390692
€ excl. VAT/box	NC -	NC -	NC -	NC -

ClearLine®

ClearLine®Clear-Lock Microtubes



Volume (ml)	0.5				1.5				2			
Diameter (mm)	7.8	7.8	7.8	7.8	10.66	10.66	10.66	10.66	10.73	10.73	10.73	10.73
Height (mm)	30	30	30	30	38	38	38	38	40.1	40.1	40.1	40.1
Material	Virgin polypropylene											
Sterile	No	No	Yes	Yes	No	No	Yes	Yes	No	No	Yes	Yes
Cap Type	Snap Clear-Lock; pierceable											
Autoclavable	Yes											
Max centrifugal speed (g)	30000											
Graduation	Yes on tube and cap											
Marking area	Yes											
Operating temperature	-80 °C to +121 °C											
Specifications	Free of DNases, RNases, human DNA, endotoxins, ATP and PCR inhibitors; CE IVD mark; Secure locking system, prevents accidental opening											
Units/box	Bag with 500 microtubes	Box with 500 microtubes	50 microtubes individually wrapped	5 bags with 100 microtubes	Bag with 1000 microtubes	2 boxes with 500 microtubes	100 microtubes individually wrapped	4 bags with 50 microtubes	Bag with 1000 microtubes	2 boxes with 500 microtubes	100 microtubes individually wrapped	4 bags with 50 microtubes
Cat. No. natural	390931A	390929	395018	395019	390903	390901	390940	395020	390904	390902	390941	395021
€ excl. VAT/box	NC -	NC -	NC -	NC -	NC -	NC -	NC -	NC -	NC -	NC -	NC -	NC -

ClearLine®

ClearLine®Starter Kit Tube



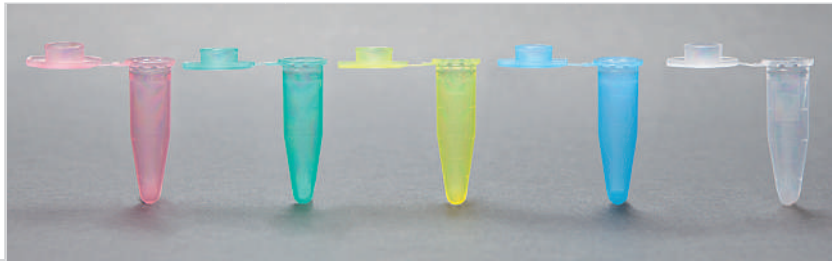
► Pack Composition

- 500 CLEAR-LOCK microtubes 0.5 ml
- 1000 CLEAR-LOCK microtubes 1.5 ml
- 1000 CLEAR-LOCK microtubes 2 ml
- 500 CLEAR-LOCK tubes 5 ml
- 1 roll of 1000 cryo labels 9.5 mm white
- 1 roll of 1000 cryo labels 33 x 13 mm white

Cat. No.	Description	€ excl. VAT
999842	ClearLine® Tube Starter Kit	NC -

TUBES AND RACKS

Biosigma microtubes



Volume (ml)	1.5			2
Diameter (mm)	10.8	10.8	10.8	10.8
Height (mm)	41	41	41	41
Material	Polypropylene			
Sterile	No			
Caps	Yes	Yes	No	Yes
Cap Type	Pierceable snap	Pierceable snap	-	Pierceable snap
Autoclavable	Yes			
Max centrifugal speed (g)	25000			
Graduation	Yes			
Marking area	Yes on tube and cap			
Operating temperature	-80 °C to +121 °C			
Specifications	CE IVD Mark			
Units/box	Resealable bag of 500 microtubes		Resealable bag of 1000 microtubes	
Cat. No. single tube natural	-	-	390526	-
Natural	390525	-	-	390524
Yellow	-	390536	-	-
Green	-	390538	-	-
Blue	-	390535	-	-
Pink	-	390537	-	-
€ excl. VAT/box	NC -	NC -	NC -	NC -

ClearLine® Clear-Lock Tubes 5 ml



Volume (ml)	5		
Diameter (mm)	16.6		
Height (mm)	56.5		
Material	Virgin polypropylene		
Sterile	No	No	Yes
Cap Type	Snap Clear-Lock; pierceable		
Autoclavable	Yes		
Max. centrifugal speed (g)	21000		
Graduation	Yes		
Marking area	Yes on tube and cap		
Operating temperature	-80 °C to +121 °C		
Specifications	Free of DNases, RNases, human DNA, endotoxins, ATP and PCR inhibitors; CE IVD marking; secure locking system to prevent accidental opening		
Units/box	Bag of 500 tubes	2 Boxes of 100 tubes	50 tubes individually wrapped
Natural	390932A	390930A	395022
€ excl. VAT/box	NC -	NC -	NC -









TUBES AND RACKS

ClearLine®

ClearLine® screw cap microtubes without seal









Standard

						
Volume (ml)	0.5	1.5	2	0.5	1.5	2
Out diameter (mm)	10.20	10.20	10.20	10.20	10.20	10.20
Inner diameter (mm)	8.5	8.5	8.5	8.5	8.5	8.5
Height (mm)	46.2	46.2	46.5	47.5	47	47.8
Material	Virgin polypropylene; medical grade					
Sterile	Yes					
Autoclavable	Yes					
Max centrifugal speed (g)	25000					
Skirt	No	No	No	Yes	Yes	Yes
Graduation	No	Yes	Yes	No	Yes	Yes
Marking area	No	Yes	Yes	No	Yes	Yes
Operating temperature	-85 °C to +121 °C					
Specifications	USP Class VI compliant; DNase, RNase and endotoxin free; CE IVD mark					
Units/box	2 bags with 500 microtubes					
Cat. No. natural	390627CL	390634CL	390646CL	390632CL	390640CL	390652CL
€ excl. VAT/box	NC -	NC -	NC -	NC -	NC -	NC -









For insert

						
Volume (ml)	0.5	1.5	2	0.5	1.5	2
Out diameter (mm)	10.20					
Inner diameter (mm)	8.5					
Height (mm)	48.8	48.2	48.4	49.2	49	49.8
Material	Virgin polypropylene; medical grade					
Sterile	Yes					
Autoclavable	Yes					
Max centrifugal speed (g)	25000					
Skirt	No	No	No	Yes	Yes	Yes
Graduation	No	Yes	Yes	No	Yes	Yes
Marking area	No	Yes	Yes	No	Yes	Yes
Operating temperature	-85 °C to +121 °C					
Specifications	USP Class VI compliant; DNase, RNase and endotoxin free; CE IVD mark					
Units/box	2 bags with 500 microtubes					
Cat. No. natural	390629CL	390636CL	390648CL	390829CL	390642CL	390654CL
€ excl. VAT/box	NC -	NC -	NC -	NC -	NC -	NC -



For insert with clip

						
Volume (ml)	0.5	1.5	2	0.5	1.5	2
Out diameter (mm)	10.20					
Inner diameter (mm)	8.5					
Height (mm)	48.8	48.2	48.4	49.2	49	49.8
Material	Virgin polypropylene; medical grade					
Sterile	Yes					
Autoclavable	Yes					
Max centrifugal speed (g)	25000					
Skirt	No	No	No	Yes	Yes	Yes
Graduation	No	Yes	Yes	No	Yes	Yes
Marking area	No	Yes	Yes	No	Yes	Yes
Operating temperature	-85 °C to +121 °C					
Specifications	USP Class VI compliant; DNase, RNase and endotoxin free; CE IVD mark					
Units/box	2 bags with 500 microtubes					
Cat. No. natural	390631CL	390638CL	390650CL	390830CL	390644CL	390656CL
€ excl. VAT/box	NC -	NC -	NC -	NC -	NC -	NC -

TUBES AND RACKS

ClearLine® screw cap microtubes without seal

TUBES
AND
RACKS



	Standard					
Volume (ml)	0.5	1.5	2	0.5	1.5	2
Out diameter (mm)	10.20					
Inner diameter (mm)	8.5					
Height (mm)	46.2	46.2	46.2	47.5	47	47.8
Material	Virgin polypropylene; medical grade					
Sterile	Yes					
Autoclavable	Yes					
Max centrifugal speed (g)	25000					
Skirt	No	No	No	Yes	Yes	Yes
Graduation	No	Yes	Yes	No	Yes	Yes
Marking area	No	Yes	Yes	No	Yes	Yes
Operating temperature	-85 °C to +121 °C					
Specifications	USP Class VI compliant; DNase, RNase and endotoxin free; CE IVD mark					
Units/box	2 bags with 500 microtubes					
Cat. No. natural	390418CL	390420CL	390422CL	390419CL	390421CL	390423CL
€ excl. VAT/box	NC -	NC -	NC -	NC -	NC -	NC -



	For insert					
Volume (ml)	0.5	1.5	2	0.5	1.5	2
Out diameter (mm)	10.20					
Inner diameter (mm)	8.5					
Height (mm)	48.8	48.2	48.4	49.2	49	49.8
Material	Virgin polypropylene; medical grade					
Sterile	Yes					
Autoclavable	Yes					
Max centrifugal speed (g)	25000					
Skirt	No	No	No	Yes	Yes	Yes
Graduation	No	Yes	Yes	No	Yes	Yes
Marking area	No	Yes	Yes	No	Yes	Yes
Operating temperature	-85 °C to +121 °C					
Specifications	USP Class VI compliant; DNase, RNase and endotoxin free; CE IVD mark					
Units/box	2 bags with 500 microtubes					
Cat. No. natural	390424CL	390426CL	390428CL	390425CL	390427CL	390429CL
€ excl. VAT/box	NC -	NC -	NC -	NC -	NC -	NC -



	For insert with clip					
Volume (ml)	0.5	1.5	2	0.5	1.5	2
Out diameter (mm)	10.20					
Inner diameter (mm)	8.5					
Height (mm)	48.8	48.2	48.4	49.2	49	49.8
Material	Virgin polypropylene; medical grade					
Sterile	Yes					
Autoclavable	Yes					
Max centrifugal speed (g)	25000					
Skirt	No	No	No	Yes	Yes	Yes
Graduation	No	Yes	Yes	No	Yes	Yes
Marking area	No	Yes	Yes	No	Yes	Yes
Operating temperature	-85 °C to +121 °C					
Specifications	USP Class VI compliant; DNase, RNase and endotoxin free; CE IVD mark					
Units/box	2 bags with 500 microtubes					
Cat. No. natural	390430CL	390432CL	390434CL	390431CL	390433CL	390435CL
€ excl. VAT/box	NC -	NC -	NC -	NC -	NC -	NC -

All ClearLine® microtubes are available with coloured screw caps

Microtubes without caps

Volume (ml)	0.5		1.5		2	
Out diameter (mm)	10.20					
Inner diameter (mm)	8.5					
Height (mm)	45.2	46.1	45.2	46.1	45.4	46.8
Material	Virgin polypropylene; medical grade					
Sterile	No					
Caps	No					
Autoclavable	Yes					
Max centrifugal speed (g)	25000					
Skirt	No	Yes	No	Yes	No	Yes
Graduation	Yes	Yes	No	No	Yes	Yes
Marking area	Yes	Yes	No	No	Yes	Yes
Operating temperature	-85 °C to +121 °C					
Specifications	USP Class VI compliant; DNase, RNase and endotoxin free; CE IVD mark					
Units/box	1000 microtubes					
Cat. No. natural	390436CL	390437CL	390438CL	390439CL	390440CL	390441CL
€ excl. VAT/box	NC -	NC -	NC -	NC -	NC -	NC -

Caps

	Without seal			With seal	
	Standard	For insert	For insert with clip	Standard	
Material	Virgin Polyethylene; medical grade				
Specifications	Free of DNase, RNase and endotoxin; CE IVD marking				
Units/box	1000 caps	500 caps	1000 caps	1000 caps	1000 caps
Natural	390442CL	-	390443CL	390444CL	390445CL
White	-	390748CL	-	-	-
Yellow	-	390749CL	-	-	-
Red	-	390751CL	-	-	-
Green	-	390752CL	-	-	-
Blue	-	390747CL	-	-	-
€ excl. VAT/box	NC -	NC -	NC -	NC -	NC -

Cap-Disks



- > To diversify and organise your microtubes as you wish
- > Coloured inserts to be placed in the dedicated ClearLine® screw caps

Colour	Sky Blue	White	Yellow	Pink	Red	Green	Combined*
Cat. No.	390448	390449	390450	390451	390452	390453	390454
€ excl. VAT	NC -	NC -	NC -	NC -	NC -	NC -	NC -
1000 units							

* All colours except white

Tubes with straight neck

Volume (ml)	5	5	5	10	10
Ø ext. (mm)	12	13	13	16	16
Ø int. (mm)	10	11	11	14	-
Height without cap (mm)	74.5	75	75	100	100
Material	Polystyrene	Polystyrene	Polypropylene	Polypropylene	Polystyrene
Sterile	No	No	No	No	No
Bottom	Rounded	Rounded	Rounded	Rounded	Conical
Type of neck	Straight	Straight	Straight	Straight	Straight with edge
Autoclavable	No	No	No	No	No
Max centrifugal speed (g)	-	-	-	-	2500
Skirt	No	No	No	No	No
Graduation	No	No	No	Yes	Yes
Marking area	No	No	No	No	No
Colour	Transparent	Transparent	Translucent	Translucent	Translucent
Operating temperature	+20 °C to +90 °C	+20 °C to +90 °C	-	-	+20 °C to +90 °C
Specifications	-	-	-	-	-
Units/box	4 bags of 1000 tubes	4 bags of 1000 tubes	4 bags of 1000 tubes	Bag of 2000 tubes	4 bags of 500 tubes
Cat. No. tube only	390597	390588	388589	390678	390679
€ excl. VAT/box	NC -	NC -	NC -	NC -	NC -



Tiered racks for microtubes



- ▶ Made of polypropylene
- ▶ Red, blue or green
- ▶ Tiered model
- ▶ For 12 x 0.2 ml microtubes, 14 x 0.5 ml microtubes and 17 x 1.5 ml microtubes
- ▶ 5 additional slots for 1.5/2 ml microtubes with locking system
- ▶ Autoclavable at 121°C



Red	Blue	Green	€ excl. VAT
020452	020453	020454	NC -

ClearLine® 0.65 ml and 1.1 ml storage tubes

- ▶ Polypropylene tubes in bulk or on 96 racks
- ▶ 1.1 ml tubes, individual or in strips of 8 or 12
- ▶ Polyethylene domed caps in strips of 8 or 12
- ▶ ANSI format
- ▶ Autoclavable
- ▶ Storage up to -80 °C



Volume	0.65 ml			1.1 ml								
Presentation	Bulk	On a rack		Bulk			On a rack					
Type	Individual tubes			Individual tubes	8-tube strip	12-tube strip	Individual tubes		8-tube strip		12-tube strip	
Sterile	No	No	Yes	No	No	No	No	Yes	No	Yes	No	Yes
Units/box	960	10 x 96	10 x 96	960	120	80	10 x 96	10 x 96	12 x 10	12 x 10	8 x 10	8 x 10
Cat. No.	007863ACL	007864ACL	007865ACL	007866ACL	007869ACL	007872ACL	007867ACL	007868ACL	007870ACL	007871ACL	007873ACL	007874ACL
€ excl. VAT/box	NC -	NC -	NC -	NC -	NC -	NC -	NC -	NC -	NC -	NC -	NC -	NC -

Plugs

Type	8-Cap strips		12-Cap strips	
Sterile	No	Yes	No	Yes
Units/box	120	120	80	80
Cat. No.	007875ACL	007876ACL	007877ACL	007878ACL
€ excl. VAT/box	NC -	NC -	NC -	NC -

Accessory

Cat. No.	Description	Units/box	€ excl. VAT/box
007879CL	Empty rack with lid	50	NC -

Drosophila tubes



- > 2 resins :
 - PS transparent: not autoclavable
 - PP: translucent and autoclavable
- > 2 Tubes formats :
 - thin : 25 x 95 mm
 - wide : 28.5 x 95 mm
- > Supplied in trays of 100, arranged 10 x 10 (5 x 100 tubes per box) or in bulk

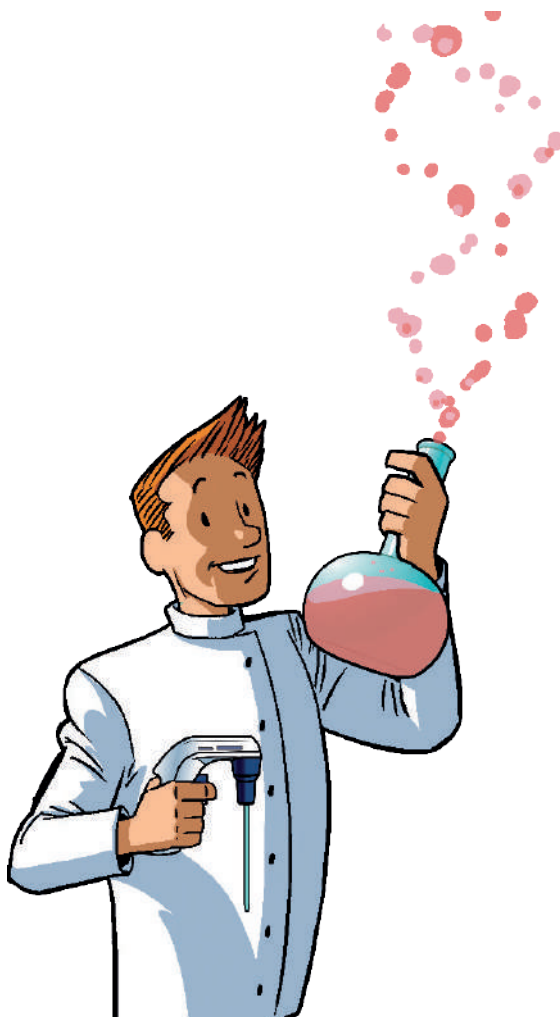
Material	ø x H (mm)	In bulk			On a tray of 100		
		Cat. No.	Units/box	€ excl. VAT/box	Cat. No.	Units/box	€ excl. VAT/box
PS	25 x 95	789008	500	NC -	789001B	500	NC -
PS	28.5 x 95	789009	500	NC -	789002	500	NC -
PP	25 x 95	-	-	-	789001PP	500	NC -
PP	28.5 x 95	-	-	-	789002PP	500	NC -

Bouchons gris en mousse ClearLine® Grey foam caps



- > In polyether foam P2560
- > Reusable
- > Smooth surface for marking with a felt-tip pen
- > Density 25 kg/m³
- > Support 6.3 kPa

Cat. No.	Diameter (mm)	Height (mm)	Units/box	€ excl. VAT/box
999046CL	50	50	100	NC -
999047CL	40	40	100	NC -
999048CL	26	30	100	NC -



Attention No cryotube is intended to be immersed directly in the liquid phase of liquid nitrogen, but only for storage in the gas phase of nitrogen.

If liquid nitrogen were to enter the tube, there would be a risk of explosion due to the pressure generated by the passage of nitrogen from the liquid phase to the gas phase during the removal and/or thawing of the tubes.

ClearLine®1D barcode cryotubes



ClearLine®Quality

- » Made of medical grade virgin polypropylene
- » Can be used down to -196°C
- » ATP-free
- » USP Class VI (non-cytotoxic and non-haemolytic)
- » Sterilised by Beta rays, SAL 10⁻⁶



- » Bi-injected screw cap, plastic and silicone: no risk of leakage and contamination - excellent grip for screwing and unscrewing the cryotube
- » Star cap design on the top, for use with automatic cappers/decappers
- » Printed graduations, with writing area
- » Supplied with a pre-printed random barcode
- » Bottom to lock into polycarbonate racks (skirted bottom tubes only)
- » Autoclavable (open) with steam at 121°C for 20 minutes.

CRYOGENICS

Cryotubes with external thread and caps



390700 390701 390702 390703 390704 390705

Volume (ml)	Skirt	Cryotubes with natural cap	€ excl. VAT 50 units
1	Yes	390700	NC -
2	Yes	390701	NC -
2	No	390702	NC -
3	Yes	390703	NC -
4	Yes	390704	NC -
5	Yes	390705	NC -

Cryotubes with internal thread and caps



390706 390707 390708 390709 390710 390711 390712

Volume (ml)	Skirt	Cryotubes with natural cap	€ excl. VAT 50 units
1	Yes	390706	NC -
2	Yes	390708	NC -
2	No	390707	NC -
4	Yes	390710	NC -
4	No	390709	NC -
5	Yes	390712	NC -
5	No	390711	NC -

Attention : ClearLine® cryotubes are not intended to be immersed in the liquid phase of liquid nitrogen, but to be stored in its gas phase. There is a risk of the cryotube exploding if liquid nitrogen enters the tube during immersion.

Coloured inserts for cap

Blue	White	Yellow	Violet	Red	Green	€ excl. VAT 100 units	Assorted	€ excl. VAT 6 x 100
390741A	390742A	390743A	390789A	390745A	390746A	NC -	390802A	NC -

Vial pickers

Cat. No.	Description	Units/box	€ excl. VAT/box
390784	Cryo picker rod	100	NC -
390784AA	Cryo picker rod	1	NC -
390784A	Cryo picker rod	10	NC -

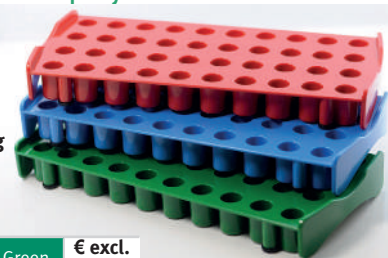


Polycarbonate racks for 40 cryotubes

» Autoclavable

» L x W x H:
215 x 100 x 25 mm

» Bottom allowing the tube to be locked in the rack



Blue	Red	Green	€ excl. VAT
390494	390495	390496	NC -

ClearLine®2D barcode cryotubes

ClearLine®Quality

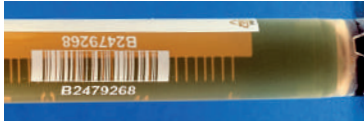
- » Made of medical grade virgin polypropylene
- » Can be used down to -196 °C
- » ATP-free
- » USP Class VI (non-cytotoxic and non-haemolytic)
- » Sterilised by Beta rays, SAL 10⁻⁶



► Graduated with inscription surface



► Autoclavable in steam at 121°C for 20 minutes.



► 2D Datamatrix barcode on the bottom of the tube, matching the printed barcode



► Pre-printed barcode on every tube (Code 128)



► Readable both ways, by all scanner brands

► Can be used with capper/decapper.

► New bi-injected screw cap (polyethylene and silicone)

► Can be screwed and unscrewed with one hand

► The bottom of the tubes can be twist-locked into the base of CryoGen® Box 2D and in the polycarbonate racks



	External screw		Internal screw	
Volume (ml)	2	5	2	5
H x ø (mm)	45,6 x 12,6	87,6 x 12,6	48,2 x 12,6	90,3 x 12,6
Cat. No.	390713	390714	390715	390716
€ Excl. VAT, 50 units	NC -	NC -	NC -	NC -

ClearLine®White cardboard cryoboxes



- In water-repellent cardboard
- With or without dividers mounted in the box
- Min. temperature : -196 °C

Capacity	Dim. (mm)	Separator	Cat. No.	€ excl. VAT	Dim. (mm)	Cat. No.	€ excl. VAT
-	133 x 133 x 51	No	972014	NC -	133 x 133 x 75	972017	NC -
81 cryotubes	133 x 133 x 51	Yes	972015	NC -	133 x 133 x 75	972018	NC -
100 microtubes	133 x 133 x 51	Yes	972016	NC -	133 x 133 x 75	972019	NC -

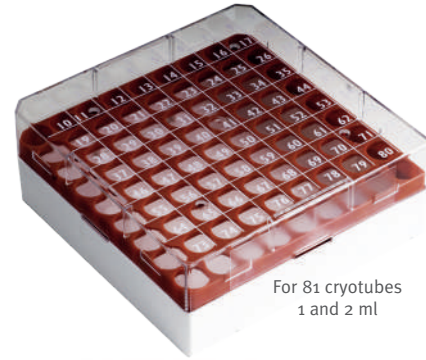
CryoGen® Box polycarbonate cryoboxes



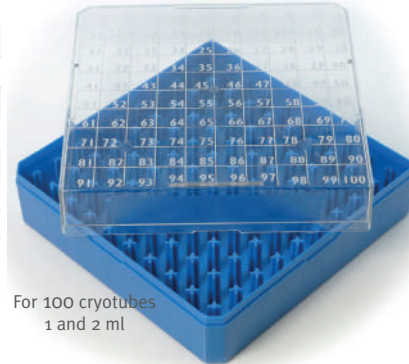
-196 °C to +121 °C

ClearLine®.Polycarbonate boxes for cryotubes storage

- > Polycarbonate box, grid and lid
- > Transparent lid, with digital marking of each slot, with cut corners
- > For all volumes of ClearLine® cryotubes : 25 and 81 places : coloured grid, white bottom/ to accomodate 100 tubes: white bottom with pins
- > Can be used from -196 °C to +121°C , autoclavables 20 min



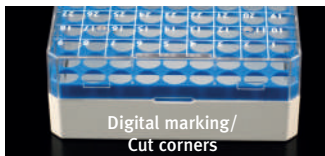
For 81 cryotubes 1 and 2 ml



For 100 cryotubes 1 and 2 ml

Cryogen® Box

	For	25 cryotubes	81 cryotubes	81 cryotubes	100 cryotubes**
		1 and 2 ml	1 and 2 ml	3, 4 and 5 ml*	1 and 2 ml
	Dim. (mm)	76 x 76 x 52	132 x 132 x 52	132 x 132 x 94	132 x 132 x 52
Cryogen® Box : for the storage of your cryotubes. Digital marking printed on the lid. > Frosted marking area (box and lid) > Pinned bottom, without grid, on 100 places boxes	Blue	390476	390479	390482	390491
	Yellow	390699	390697	390698	390489
	Red	390477	390480	390483	390492
	Green	390478	390481	390484	390493
	White	-	-	-	390788
	€ excl. VAT	NC -	NC -	NC -	NC -
Cryogen® Box : for the storage of your cryotubes. Laser engraved digital marking on the lid. > Frosted marking area (box and lid)	Blue	-	390733	390737	-
	Yellow	-	390736	390740	-
	Red	-	390734	390738	-
	Green	-	390735	390739	-
	White	-	-	-	-
	€ excl. VAT	-	NC -	NC -	-



Digital marking/ Cut corners



Frosted marking surface

ClearLine® CryoGen® 1D and 2D barcode Box

	For	25 cryotubes	81 cryotubes	81 cryotubes	100 cryotubes	100 cryotubes
		1-2 ml	1-2 ml	3-4-5 ml	2D 2 ml	2D 5 ml
	Dim. (mm)	76 x 76 x 52	132x132x52	132x132x94	132x132x52	132x132x94
Cryogen® Box 2D : Standard barcode + 2D Datamatrix code > Standard barcode (code 128) > Corresponding 2D Datamatrix code on the bottom of the box > Openings (see photo)* in the bottom > Locking the (skirted) tubes in the bottom > Designed for use with 2D Scanners	Blue	-	390717	390721*	-	-
	Yellow	-	390718	390722*	-	-
	Red	-	390719	390723*	-	-
	Green	-	390720	390724*	-	-
	White bottom with pins	-	-	-	390820**	390821**
	€ excl. VAT	-	NC -	NC -	NC -	NC -
Cryogen® Box 1D : standard barcode > Standard barcode (code 128) on the edge > Pinned bottom, without grid, on 100 places boxes	Blue	390804	390808	390812*	-	-
	Yellow	390805	390809	390813*	-	-
	Red	390806	390810	390814*	-	-
	Green	390807	390811	390815*	-	-
	White bottom with pins	-	-	-	390816**	-
	€ excl. VAT	NC -	NC -	NC -	NC -	-

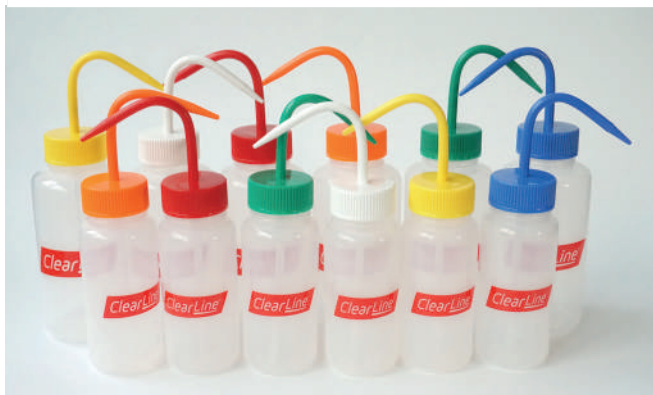


Traceability & Identification

- > Laser engraved barcode on the side
- > 2D Datamatrix code on the bottom, corresponding to the barcode, standard

* The CryoGen® Box for 81 tubes 3 to 5 ml is not compatible with 4 ml cryotubes with internal screw cap.
** With internal screw cap only.

ClearLine® wide-neck wash bottles



- Made of polyethylene
- One-piece moulded Caps

Volume (ml)	250	500
White	257016	761880
Blue	257017	257023
Red	257018	257024
Yellow	257019	257025
Orange	257020	257026
Green	257021	257027
Units/box	1	1
€ Excl. tax/box	NC -	NC -
Assorted	257022	257028
Units/box	6	6
€ Excl. tax/box	NC -	NC -

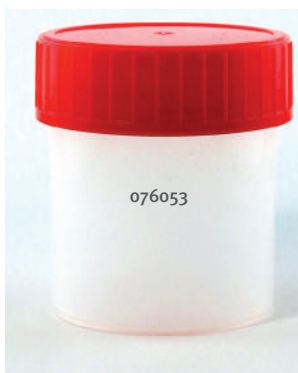
ClearLine® screw containers



- Crystal polystyrene or natural polypropylene containers, single use
- HDPE screw caps, white or red
- Available aseptic (white cap) or sterile E-beam irradiated at 10 kGy (red cap)
- Traceability: labels with Cat. No, barcode and batch number
- Operating temperature : PS : -40 °C to +65 °C / PP : -40 °C to +85 °C
- Suitable for food contact (CE n°1935/2004)

Nominal volume (ml)	Max. working volume (ml)	Ø x h (mm)	Material	Weight (g) with/without cap	Units/box		White Aseptic cap	Red cap, irradiated sterile
160	155	58 x 69	PS	31.7 / 19	360	Cat. No.	076050	076051
						€ excl. VAT/box	NC -	NC -
220	205	58 x 95	PS	37.2 / 24.5	300	Cat. No.	076054	076055
						€ excl. VAT/box	NC -	NC -

ClearLine® screw containers



- Crystal polystyrene or natural polypropylene containers, single use
- HDPE screw caps, white or red
- Available aseptic (white cap) or sterile E-beam irradiated at 10 kGy (red cap)
- Traceability: labels with Cat. No, barcode and batch number
- Operating temperature : PS : -40 °C to +65 °C / PP : -40 °C to +85 °C
- Suitable for food contact (CE n°1935/2004)

Nominal volume (ml)	Useful volume max. (ml)	Ø x h (mm)	Material	Weight(g) with/without cap	Units/box		White Aseptic cap	Red cap, irradiated sterile
160	150	57 x 68	PP	25 / 16	360	Cat. No.	076052	076053
						€ excl. VAT/box	NC -	NC -
220	205	57 x 94	PP	30 / 21	300	Cat. No.	030306B	030307B
						€ excl. VAT/box	NC -	NC -

- Natural polypropylene containers
- Red aseptic cap

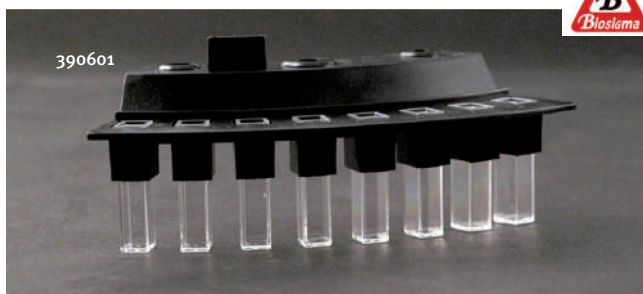
Cat. No.	Volume (ml)	Units/box	€ excl. VAT/box
076061	220	300	NC -
076062	160	300	NC -

SAMPLES

Cuvette for Hitachi



Cat. No.	Cuvette type	Units/box	€ excl. VAT/box
390591	PS for Hitachi 3 ml	6000	NC -
390621	Pediatricfor Hitachi Elecsys Cobas and Integra	5000	NC -
390599	Bionex for Hitachi 902	24	NC -
390600	PMMA for Hitachi 717	24	NC -
390601	PMMA for Hitachi 911	24	NC -
390602	Bionex for Hitachi 911/912	24	NC -
390606	Bionex on rack	200	NC -



Sampling wipes



- > Complies with the NF EN ISO 18593 standard
- > Blue non-woven smooth or honeycomb structure (3D") (24 x 20 cm unfolded - 12 x 10 cm folded)
- > With wire closure with pre-cut
- > Per pack of 25

Cat. No.	Wipe colour	Structure	Medium	Neutralizer (at 10%)	Bag Type	€ excl. VAT
444103B	Blue	Smooth	Buffered peptone water	Yes	Wire lock	NC -

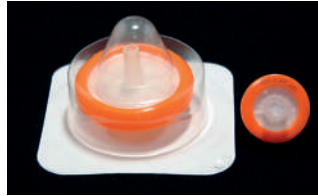
DISSECTION SAMPLING



ClearLine® syringe filters

- > 9 types of membranes to meet all needs
- > Diameter from 13 to 33 mm
- > Sterile or non-sterile
- > Colour code according to membrane
- > Polypropylene body
- > Female luer lock inlet/ male luer outlet
- > Gamma ray sterilisation
- > Version with pre-filter for loaded solutions

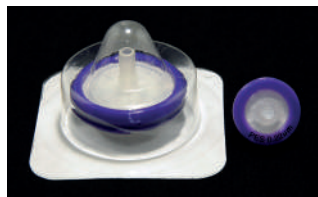
Syringe filters for biological or mildly aggressive solutions



- AC - Cellulose acetate**
- > Hydrophilic membrane
 - > Low protein adsorption
 - > Limited solvent resistance



- MCE - Mixed Cellulose Esters**
- > Hydrophilic membrane
 - > Biologically inert



- PES - Polyethersulfone**
- > High flow hydrophilic membrane
 - > High thermal resistance
 - > Low aspecific adsorption of proteins
 - > For rapid filtration of viscous solutions



- PVDF - Polyvinylidene**
- > Hydrophilic membrane for protein-loaded solutions
 - > Very low protein adsorption
 - > Good resistance to solvents

Syringe filters		AC			PES			MCE			PVDF		
Flow rate (mL/min@10psi) at 0.45µm		92 - 116			118 - 162			85 - 116			70 - 105		
Bubble point (psi) at 0.45µm		36 - 39			42 - 49			25 - 33			11 - 23		
pH		3 - 7			4 - 8			4 - 8			1 - 14		
Threshold (µm)	Ø (mm)	Cat. No.	Units/box	€ excl. VAT/box	Cat. No.	Units/box	€ excl. VAT/box	Cat. No.	Units/box	€ excl. VAT/box	Cat. No.	Units/box	€ excl. VAT/box
Non-sterile													
0.22	13	257239	100	NC -	257190	100	NC -	257166	100	NC -	257218	100	NC -
	25	257155	100	NC -	257194	100	NC -	257170	100	NC -	257214	100	NC -
	33	257159	100	NC -	257198	100	NC -	257174	100	NC -	257222	100	NC -
Pre-filtered +0.22	25	257245	50	NC -	257247	50	NC -	257271	100	NC -	257249	50	NC -
	13	257241	100	NC -	257192	100	NC -	257168	100	NC -	257220	100	NC -
0.45	25	257157	100	NC -	257196	100	NC -	257172	100	NC -	257216	100	NC -
	33	257161	100	NC -	257200	100	NC -	257176	100	NC -	257224	100	NC -
	25	257246	50	NC -	257248	50	NC -	257272	100	NC -	257250	50	NC -
0.8	25	257244	100	NC -	-	-	-	-	-	-	-	-	-
1.2	25	257242	100	NC -	-	-	-	-	-	-	-	-	-
5	25	257243	100	NC -	-	-	-	-	-	-	-	-	-
Individual sterile packaging													
0.22	13	257240	50	NC -	257191	50	NC -	257167	50	NC -	257219	50	NC -
	25	257156	50	NC -	257195	50	NC -	257171	50	NC -	257215	50	NC -
	33	257160	50	NC -	257199	50	NC -	257175	50	NC -	257223	50	NC -
0.45	13	257154	50	NC -	257193	50	NC -	257169	50	NC -	257221	50	NC -
	25	257158	50	NC -	257197	50	NC -	257173	50	NC -	257217	50	NC -
	33	257162	50	NC -	257201	50	NC -	257177	50	NC -	257225	50	NC -

ClearLine® Luer Lock sterile syringe filters



Membrane	Diameter (mm)	Threshold 0.2 µm	€ excl. VAT/50 units	Threshold 0.45 µm	€ excl. VAT/50 units
Cellulose acetate	33	146560	NC -	146561	NC -
PES	33	146564	NC -	-	-

- > PES or AC membrane
- > Polypropylene body
- > Sterile in individual blister packs

Syringe filters for aggressive solutions and solvents

RC - Regenerated cellulose

- > Hydrophilic membrane
- > Broad chemical compatibility
- > Good particle extraction capacity



PP- Polypropylene

- > Hydrophobic membrane
- > Air and solvent filtration
- > High flow



NYL - Polyamide

- > Hydrophilic membrane
- > Good chemical resistance



PTFE - Polytetrafluoroethylene

- > Hydrophobic membrane
- > Air and solvent filtration
- > High chemical resistance



Syringe filters		RC			NYLON			PP			PTFE		
Flow rate (mL/min@10psi) at 0.45µm		53 - 74			47 - 55			550 - 635			90 - 102		
Bubble point (psi) at 0.45µm		45 - 49			27 - 33			-			10 - 13		
pH		3 - 12			3 - 14			1 - 14			1 - 14		

Threshold (µm)	Ø (mm)	Cat. No.	Units/box	€ excl. VAT/box	Cat. No.	Units/box	€ excl. VAT/box	Cat. No.	Units/box	€ excl. VAT/box	Cat. No.	Units/box	€ excl. VAT/box
Non-sterile													
0.22	13	257226	100	NC -	257178	100	NC -	257262	100	NC -	257202	100	NC -
	25	257230	100	NC -	257182	100	NC -	257263	100	NC -	257206	100	NC -
	33	257234	100	NC -	257186	100	NC -	257264	100	NC -	257210	100	NC -
Pre-filtered +0.22	25	257251	50	NC -	257253	50	NC -	257257	100	NC -	257255	50	NC -
0.45	13	257228	100	NC -	257180	100	NC -	257265	100	NC -	257204	100	NC -
	25	257232	100	NC -	257184	100	NC -	257266	100	NC -	257208	100	NC -
	33	257236	100	NC -	257188	100	NC -	257267	100	NC -	257212	100	NC -
Pre-filtered +0.45	25	257252	50	NC -	257254	50	NC -	257258	100	NC -	257256	50	NC -
0.8	25	-	-	-	257259	50	NC -	-	-	-	-	-	-
1.2	25	-	-	-	257260	50	NC -	-	-	-	-	-	-
3	25	-	-	-	-	-	-	-	-	-	257268	10	NC -
5	25	-	-	-	257261	50	NC -	-	-	-	-	-	-

Individual sterile packaging													
0.22	13	257227	50	NC -	257179	50	NC -	-	-	-	257203	50	NC -
	25	257231	50	NC -	257183	50	NC -	-	-	-	257207	50	NC -
	33	257235	50	NC -	257187	50	NC -	-	-	-	257211	50	NC -
0.45	13	257229	50	NC -	257181	50	NC -	-	-	-	257205	50	NC -
	25	257233	50	NC -	257185	50	NC -	-	-	-	257209	50	NC -
	33	257237	50	NC -	257189	50	NC -	-	-	-	257213	50	NC -

FV - Fiberglass

- > Pre-filtration of charged solutions
- > Non-sterile
- > High chemical compatibility
- > pH 1-14

Syringe filters		Non-sterile FV		
Threshold (µm)	Ø (mm)	Cat. No.	Units/box	€ excl. VAT/box
1 - 2	13	257163	100	NC -
	25	257164	100	NC -
	33	257165	100	NC -



ClearLine® PES membrane filters



- > Polyethersulfone (PES) compounds
- > Asymmetric pore structure : Very high flow rate
- > Low protein content

White, non-sterile membranes

Porosity (µm)	Ø 25 mm		Ø 47 mm	
	Cat. No.	€ excl. VAT/100 units	Cat. No.	€ excl. VAT/100 units
0.22	175039	NC -	-	-
0.45	175040	NC -	175042	NC -

ClearLine® PTFE membrane filters



- > Made of polytetrafluoroethylene (PTFE) laminated with a layer of PP
- > Naturally hydrophobic, are used in air and gas filtration
- > High thermal and chemical resistance
- > For the filtration of aqueous solutions, it is necessary to pre-wet them with ethanol or methanol

White, non-sterile membranes

Porosity (µm)	Ø 13 mm		Ø 25 mm		Ø 47 mm	
	Cat. No.	€ excl. VAT/200 units	Cat. No.	€ excl. VAT/100 units	Cat. No.	€ excl. VAT/100 units
0.22	-	-	-	-	175037	NC -
0.45	-	-	175036	NC -	175038	NC -

ClearLine® nylon membrane filters

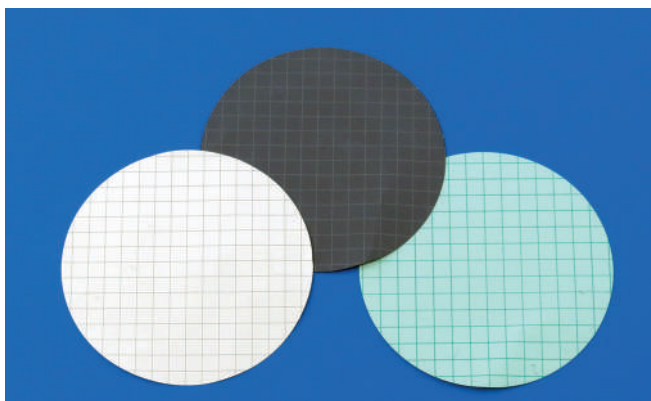


- > Polyamide membranes (NYL)
- > Naturally hydrophilic, chemically resistant to alkaline solutions and organic solvents
- > Asymmetric pore structure: very high flow rate
- > Very good thermal stability

White, non-sterile membranes

Porosity (µm)	Ø 25 mm		Ø 47 mm	
	Cat. No.	€ excl. VAT/100 units	Cat. No.	€ excl. VAT/100 units
0.22	175045	NC -	175047	NC -
0.45	175046	NC -	175048	NC -

Filtres membrane ClearLine® mixed cellulose esters (MCE) membrane filters



- > Mixture of cellulose acetate and cellulose nitrate
- > Hydrophilic, biologically inert membranes with high absorption and retention
- > Uniform micro-structure for easy particle detection

White, non-sterile membranes

Porosity (µm)	Ø 25 mm		Ø 47 mm	
	Cat. No.	€ excl. VAT/100 units	Cat. No.	€ excl. VAT/100 units
0.22	175051	NC -	-	-
0.45	175052	NC -	175060	NC -
0.65	175053	NC -	175061	NC -
0.8	175054	NC -	175062	NC -
1.2	-	-	175063	NC -
3	-	-	175064	NC -
5	-	-	175065	NC -
8	-	-	175066	NC -

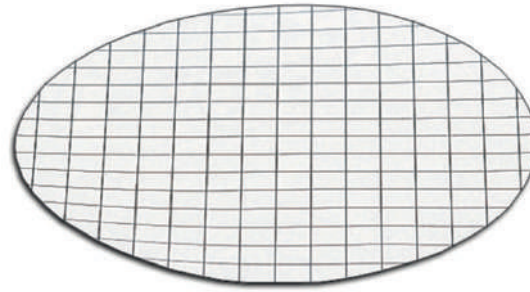
Sterile membranes, squared, Ø 47 mm

Porosity (µm)	White		Black	
	Cat. No.	€ excl. VAT/100 units	Cat. No.	€ excl. VAT/100 units
0.22	175067	NC -	-	-
0.45	-	-	175071	NC -

Economical, sterile, gridded membrane filters

- > In a mixture of cellulose esters (cellulose acetate and cellulose nitrate)
- > Hydrophilic and biologically inert membranes
- > Sterile, individual packaging

Cat. No.	Pore size (µm)	Colour	Grid	Ø (mm)	Units/box	€ excl. VAT/box
175067	0.22	White	Black	47	100	NC -
010362C	0.45	White	Black	47	100	NC -
175071	0.45	Black	White	47	100	NC -



ClearLine® Qualitative filter papers

- > Standard range for qualitative analysis
- > Suitable for rapid filtration of large particles and gelatinous precipitates
- > Made of cellulose fibre
- > Retention rate : 10 - 12 µm
- > Weight: 85 g/m²
- > Thickness : 200 µm
- > Ash content : 0.06 %
- > Other Dimensions on request

Grade 304			
Diameter (mm)	Cat. No.	Units/box	€ excl. VAT/box
90	442423	100	NC -
100	442424	100	NC -
110	442425	100	NC -
125	442426	100	NC -
150	442427	100	NC -
185	442428	100	NC -



ClearLine® Quantitative filter papers

- > Standard range for quantitative analysis
- > Made of cellulose fibre
- > Ash content : 0.002 %
- > Other Dimensions on request

	Grade 351	Grade 352	Grade 354
Filtration speed	Slow	Medium	Fast
Porosity (µm)	7 - 9	8 - 12	12 - 16
Weight (g/m ²)	80	80	80
Thickness (µm)	290	290	250

Diameter (mm)	Cat. No.	€ Excl. VA 100 uni.	Cat. No.	€ Excl. VA 100 uni.	Cat. No.	€ Excl. VA 100 uni.
90	442439	NC -	442429	NC -	442434	NC -
110	442440	NC -	442430	NC -	442435	NC -
125	442441	NC -	442431	NC -	442436	NC -
150	442442	NC -	442432	NC -	442437	NC -
185	442443	NC -	442433	NC -	442438	NC -



FILTRATION

ClearLine® Qualitative filter papers

- > Standard range for qualitative analysis
- > Suitable for rapid filtration of large particles and gelatinous precipitates
- > Made of cellulose fibre
- > Retention rate : 10 - 12 µm
- > Weight: 85 g/m²
- > Thickness : 200 µm
- > Ash content : 0.06 %
- > Other Dimensions on request

Grade 304			
Diameter (mm)	Cat. No.	Units/box	€ excl. VAT/box
90	442423	100	NC -
100	442424	100	NC -
110	442425	100	NC -
125	442426	100	NC -
150	442427	100	NC -
185	442428	100	NC -



FILTRATION

ClearLine

ClearLine® Glass microfibre filter papers



- ▶ Made from 100% pure borosilicate glass
- ▶ For qualitative analysis
- ▶ Withstands up to + 380°C
- ▶ Fast flow
- ▶ Retention rate : 1.2 µm
- ▶ Weight : 55 g/m²
- ▶ Thickness : 270 µm

Cat. No.	Description	€ Excl. VA 100 uni.
442444	Glass microfibre filter paper grade 50 C Ø 47 mm	NC -
442445	Glass microfibre filter paper grade 50 C Ø 90 mm	NC -



FILTRATION

SLS Select borosilicate glass bottles

- Made of high quality borosilicate glass 3.3 according to ISO 3585
- ISO 4796-1
- With blue polypropylene cap and non-drip spill ring
- Excellent chemical and thermal resistance
- With white scale and marking area

Cat. No.	Volume (ml)	Ø x h (mm)	Units/box	€ excl. VAT/box
257063	100	56 x 100	10	NC -
257064	250	70 x 138	10	NC -
257065	500	86 x 176	10	NC -
257066	1000	101 x 225	10	NC -
257067	2000	136 x 260	10	NC -
257107	5000	186 x 330	1	NC -
257108	10000	234 x 410	1	NC -
257109	20000	299 x 505	1	NC -



Enter the reference on dutscher.com to find the the procedure for processing laboratory glassware.



SLS Select borosilicate glass Beakers

- Made of high quality borosilicate glass
- With white scales and marking area
- Excellent chemical and thermal resistance

Cat. No.	Volume (ml)	Ø x h (mm)	Units/box	€ excl. VAT/box
257055	25	34 x 50	12	NC -
257056	50	42 x 60	12	NC -
257057	100	50 x 70	12	NC -
257058	150	60 x 80	12	NC -
257059	250	70 x 95	12	NC -
257060	400	80 x 110	12	NC -
257061	600	90 x 125	6	NC -
257062	1000	105 x 145	6	NC -
257145	5000	170 x 270	2	NC -
257146	10000	217 x 350	1	NC -
257147	20000	285 x 430	1	NC -



Erlenmeyer flask with narrow neck SLS Select

- Made of high quality borosilicate glass
- With white scales and marking area
- Excellent chemical and thermal resistance



Cat. No.	Volume (ml)	Ø x h (mm)	Internal Ø Neck(mm)	Units/box	€ excl. VAT/box
257068	50	80 x 54	24	12	NC -
257069	100	105 x 64	29	12	NC -
257070	250	145 x 85	31	6	NC -
257071	500	184 x 103	36	6	NC -
257072	1000	131 x 214	42	6	NC -

Class B SLS Select test tubes

- Made of high quality borosilicate glass
- Class B
- With white scales
- Excellent chemical and thermal resistance
- Robust hexagonal base

Cat. No.	Volume (ml)	Height (mm)	Units/box	€ excl. VAT/box
257073	10	135	2	NC -
257074	25	160	2	NC -
257075	50	195	2	NC -
257076	100	250	2	NC -
257077	250	300	2	NC -
257078	500	350	2	NC -
257079	1000	430	1	NC -





Biohazard colour sample bags



Bags for the transport of biological samples.

- Made of polyethylene
- Zip closure
- Orange "Biohazard"
- Writing range
- Double pocket
- Dimensions : 16 x 16 cm

Cat. No.	Colour	Units/box	€ excl.VAT box
390934	Blue	1000	NC -
390935	Red	1000	NC -
390936	Orange	1000	NC -
390937	Pink	1000	NC -
390938	Violet	1000	NC -
390607B	Yellow	1000	NC -
390608B	Green	1000	NC -
390854B	Transparent	1000	NC -



ClearLine® multipurpose bags

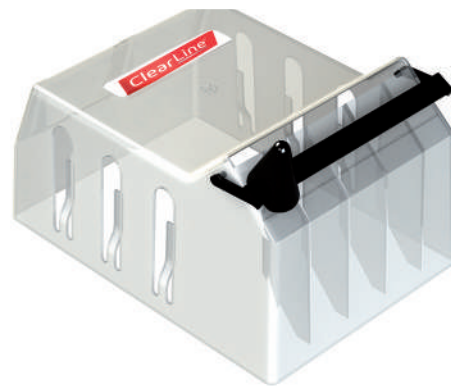


- Made of translucent HDPE, thickness 0.45 µm
- For use up to 121 °C

Cat.No.	Dimensions (mm)	Units/box	€ excl. VAT/ box
076056	350 x 530	50	NC -
076057	500 x 930	50	NC -



ClearLine® Top Cut Parafilm dispenser



Easy to use, to be placed directly on the Parafilm can.

- In ABS
- Easy to clean
- For 1 roll 10 cm or 2 rolls 5 cm
- Slider cutter for safe cutting
- Dimensions W x D x H : 123 x 172 x 99 mm

Cat. No.	Description	€ excl. VAT
257014	ClearLine® Top Cut Parafilm dispenser	NC -



ClearLine® Sterile Microbiological Mixer-Mill Bag

- In sterile natural HDPE
- Without filter
- Dimensions : 180 x 300 mm

Cat. No.	Description	Units/box	€ excl. VAT/box
855133	Sachet Sterilemicrobiology milling mixer	500	NC -



ClearLine® Moisturizing Cream

For hands exposed to repeated washing, irritants, cold or gloves.

- Used for daily prevention and repair
- Moisturises, repairs and penetrates quickly, non-greasy
- Suitable for all skin types
- Maintains the hydrolipidic balance and pH of the skin
- Paraben-free, dye-free and fragrance-free
- Developed, manufactured and controlled under pharmaceutical supervision



Cat. No.	Description	€ excl. VAT
257113	ClearLine® Moisturizing Cream 50 ml	NC -

ClearLine® Permanent Markers

- ▶ Ink resistant to -200°C
 - ▶ Water and rub resistant ink
 - ▶ Fast drying on the substrate
 - ▶ Xylene and toluene free ink
- ▶ Line width :
 - double tip : 0.6 mm and 1.5 mm
 - medium tip : 1.0 mm
 - super fine tip : 0.4 mm

Colour	Double tip		Medium tip		Super fine tip	
	Cat. No.	€ excl. VAT	Cat. No.	€ excl. VAT	Cat. No.	€ excl. VAT
Red	929200	NC -	929208	NC -	929204	NC -
Blue	-	-	929209	NC -	929205	NC -
Green	929202	NC -	929210	NC -	929206	NC -
Black	-	-	929211	NC -	929207	NC -
Yellow	-	-	929218	NC -	929214	NC -
Orange	-	-	929219	NC -	929215	NC -
Violet	-	-	929220	NC -	929216	NC -
Brown	-	-	929221	NC -	929217	NC -

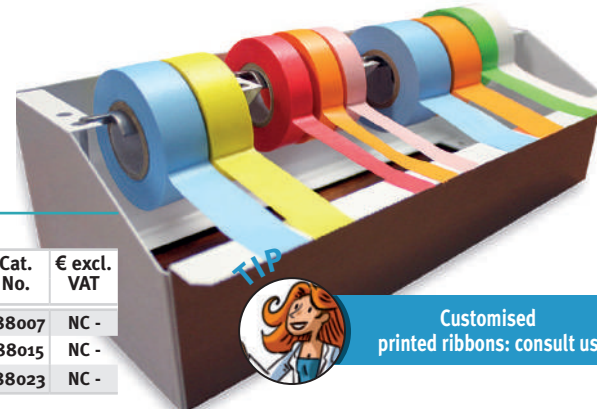


Boxes (4 colours: red, blue, green and black)

Cat. No.	Description	€ excl. VAT
929212	Set of 4 markers with extra fine tip	NC -
929213	Set of 4 markers with medium tip	NC -

ClearLine® adhesive tapes

- Coloured rolls of adhesive tape designed for the laboratory
- ▶ Robust, water, oil and acid resistant
 - ▶ Can be used in freezer at - 80 °C and in autoclave for 15 minutes at + 121 °C
 - ▶ For marking with pen, pencil or permanent marker
 - ▶ Sticks to most surfaces: glass, plastic and metals
 - ▶ Easy and clean to remove
 - ▶ Available in 2 lengths (12 m and 55 m) and 3 widths (13, 19 and 25 mm)



Rainbow Packs: assorted colours

Description	Contents (in rolls)							Cat. No.	€ excl. VAT
	White	Yellow	Red	Orange	Green	Blue	Pink		
Rainbow Pack : 24 rolls 12 m x 13 mm	5	4	3	3	3	3	3	188007	NC -
Rainbow Pack : 16 rolls 12 m x 19 mm	4	2	2	2	2	2	2	188015	NC -
Rainbow Pack : 12 rolls 12 m x 25 mm	2	2	2	1	2	1	2	188023	NC -

ClearLine® adhesive tape length 12 m

Width (mm)	13		19		25	
	No. of rolls		No. of rolls		No. of rolls	
White	188000	188000A	188008	188008A	188016	188016A
Yellow	188001	188001A	188009	188009A	188017	188017A
Green	188002	188002A	188010	188010A	188018	188018A
Red	188003	188003A	188011	188011A	188019	188019A
Orange	188004	188004A	188012	188012A	188020	188020A
Blue	188005	188005A	188013	188013A	188021	188021A
Pink	188006	188006A	188014	188014A	188022	188022A
Turquoise	188048	188048A	188050	188050A	188052	188052A
Fuchsia	188049	188049A	188051	188051A	188053	188053A
Ochre	188061	188061A	188071	188071A	188081	188081A
Salmon	188062	188062A	188072	188072A	188082	188082A
Copper	188063	188063A	188073	188073A	188083	188083A
Violet	188064	188064A	188074	188074A	188084	188084A
Lavender	188065	188065A	188075	188075A	188085	188085A
Grey	188066	188066A	188076	188076A	188086	188086A
Lime	188067	188067A	188077	188077A	188087	188087A
Chartreuse green	188068	188068A	188078	188078A	188088	188088A
Gold	188069	188069A	188079	188079A	188089	188089A
Silver	188070	188070A	188080	188080A	188090	188090A
€ excl. VAT	NC -	NC -	NC -	NC -	NC -	NC -

ClearLine® adhesive tape length 55 m

Width (mm)	13		19		25	
	No. of rolls		No. of rolls		No. of rolls	
White	188024	188024A	188031	188031A	188038	188038A
Yellow	188025	188025A	188032	188032A	188039	188039A
Green	188026	188026A	188033	188033A	188040	188040A
Red	188027	188027A	188034	188034A	188041	188041A
Orange	188028	188028A	188035	188035A	188042	188042A
Blue	188029	188029A	188036	188036A	188043	188043A
Pink	188030	188030A	188037	188037A	188044	188044A
Turquoise	188054	188054A	188056	188056A	188058	188058A
Fuchsia	188055	188055A	188057	188057A	188059	188059A
Ochre	188091	188091A	188101	188101A	188111	188111A
Salmon	188092	188092A	188102	188102A	188112	188112A
Copper	188093	188093A	188103	188103A	188113	188113A
Violet	188094	188094A	188104	188104A	188114	188114A
Lavender	188095	188095A	188105	188105A	188115	188115A
Grey	188096	188096A	188106	188106A	188116	188116A
Lime	188097	188097A	188107	188107A	188117	188117A
Chartreuse green	188098	188098A	188108	188108A	188118	188118A
Gold	188099	188099A	188109	188109A	188119	188119A
Silver	188100	188100A	188110	188110A	188120	188120A
€ excl. VAT	NC -	NC -	NC -	NC -	NC -	NC -

ClearLine® roll dispensers

Cat. No.	Description	€ excl. VAT
188045	Multi-roll dispenser for 55 m adhesive tapes, 4 compartments of 60 mm	NC -
188046	Multi-roll dispenser for 12 m adhesive tapes, 4 compartments of 65 mm	NC -
188047	ClearLine® Individual dispenser for 12 m adhesive tapes	NC -
188060	ClearLine® Individual dispenser for 12 and 55 m adhesive tapes	NC -



ClearLine® Labels for cryogenics



- Operating temperature : -196 °C to +121 °C
- On US letter size sheet, for laser printer
- Marking with pen and marker
- Does not come off in a water bath

Safety labels

Ø (mm)	9.5
Biohazard	188499
Radioactive	188500
Units/roll	1000
€ excl. VAT	NC -

Labels on sheet

Dimensions L x W or Ø (mm)	9.5	13	24 x 13	33 x 13	38 x 6	38 x 19	43 x 19	67 x 25	76 x 51	25 x 25
For	Microtubes 0.5 - 1.5 ml	Microtubes 1.5 - 2 ml	0.5 ml Microtube	Microtubes 1.5 - 2 ml	Microplates	General	Cryotubes	Boxes	Boxes	Microscope slides
White	188401	188408	188415	188422	188429	188436	188443	188450	188457	188458
Blue	188402	188409	188416	188423	188430	188437	188444	188451	-	-
Green	188403	188410	188417	188424	188431	188438	188445	188452	-	-
Yellow	188404	188411	188418	188425	188432	188439	188446	188453	-	-
Orange	188405	188412	188419	188426	188433	188440	188447	188454	-	-
Red	188406	188413	188420	188427	188434	188441	188448	188455	-	-
Units/package	3840	3840	2380	1700	3120	1200	1040	600	240	1600
€ excl. VAT	NC -	NC -	NC -	NC -	NC -	NC -	NC -	NC -	NC -	NC -
Assorted colours	188407	188414	188421	188428	188435	188442	188449	188456	-	-
Units/package	4800	4800	2975	2125	3900	1500	1300	750	-	-
€ excl. VAT	NC -	NC -	NC -	NC -	NC -	NC -	NC -	NC -	-	-

Labels on roll

Dimensions L x W or Ø (mm)	9.5	13	19	25	21 x 7	24 x 13	33 x 13	38 x 19
For	Microtubes 0.5 - 1.5 ml	Microtubes 1.5 - 2 ml	Tubes 15 - 50 ml	Tubes 50 ml	0.5 ml Microtube	0.5 ml Microtube	Microtubes 1.5 - 2 ml	General use
White	188459	188471	188483	188484	188485	188486	188487	188493
Lavender	188460	188472	-	-	-	-	-	-
Blue	188461	188473	-	-	-	-	188488	188494
Green	188462	188474	-	-	-	-	188489	188495
Yellow	188463	188475	-	-	-	-	188490	188496
Orange	188464	188476	-	-	-	-	188491	188497
Pink	188465	188477	-	-	-	-	-	-
Red	188466	188478	-	-	-	-	188492	188498
Brown	188467	188479	-	-	-	-	-	-
Gold	188468	188480	-	-	-	-	-	-
Silver	188469	188481	-	-	-	-	-	-
Units/roll	1000	1000	1000	500	1500	1000	1000	1000
€ excl. VAT	NC -	NC -	NC -	NC -	NC -	NC -	NC -	NC -
Assorted colours*	188470	188482	-	-	-	-	-	-
Units/roll	5000	5000	-	-	-	-	-	-
€ excl. VAT	NC -	NC -	-	-	-	-	-	-

* Colours: green, red, blue, yellow and purple.

ClearLine®orbital shakers

- With classic platform or "Magic Clamp" magnetic platform (to be used with the classic platform, sold separately)
- Full range of orbital shakers: 4 models



060956CL



060965CL



060976CL



060954CL

Model	Mini orbital shaker	Orbital shaker		MP orbital shaker for microplates	Blotter orbital shaker
Max. stirring speed (rpm)	300	300		1 500	70
Min. stirring speed (rpm)	50	30		200	3
Amplitude (mm)	19	19		3	19
Ext. dimension (cm)	28 x 27 x 13	28 x 33 x 7,5		28 x 27 x 12	35 x 30 x 15
Weight (kg)	5.5	11.5		5.5	5.5
Power supply	230 V, 50 - 60 Hz	230 V, 50 - 60 Hz		240 V, 50 - 60 Hz	230 V, 50 - 60 Hz
Erlenmeyer capacity : 125 / 250 / 500 ml	12 / 8 / 6	24 / 14 / 9		-	24 / 14 / 9 *
Erlenmeyer capacity : 1 / 2 l	4 / -	5 / 2		-	5 / 3 *
Number of microplates	-	4		4	-
«Magic Clamp»Compatible	Yes	Yes		No	No
Supplied with	Classic shape-Tray + anti-slip mat 24 x 20 cm	Classic shape-Tray + anti-slip mat 33 x 30 cm		Plate-for 4 microplates	Classic-tray + Anti-slip mat 35 x 30 cm
Display	Digital	Digital	Touchscreen	Digital	Analogue
Cat. No.	060956CL	060965CL	062819CL	060976CL	060954CL
€ excl. VAT	NC -	NC -	NC -	NC -	NC -

* only for low speed applications.

ClearLine®programmable rotary shakers

- Advanced programming, with a wide choice of rotation modes
- 360° rotation, complete or interrupted by pauses and mixing intervals
- Suitable for use in cold rooms and incubators
- Optional platform for rocker function

Model	Rotary shakers	Mini Rotary shaker
Speed (rpm)	1 - 80	
Stirring angle	Up to 360°	
Accessories included	5 racks for 6 tubes 1.5 ml 8 racks for 1 tube 15 ml 2 racks for 1 tube 50 ml	2 racks for 6 tubes 1.5 ml 2 racks for 1 tube 15 ml 2 racks for 1 tube 50 ml
Timer	1 s to 99 h 59 min or continuous	
Operating temperature	+ 2 °C to + 70 °C	
Dim. (W x D x H) (mm)	410 x 137 x 199	290 x 137 x 199
Weight (kg)	2.27	1.8
Power supply	100 - 240 V, 50 - 60 Hz, 3 A	
Cat. No.	062649CL	062650CL
€ excl. VAT	NC -	NC -



Adapters

Cat. No.	For tubes (ml)	For Ø tube (mm)	Tubes/Adapters	Max number of adapters		Shaking type	Units/box	€ excl. VAT/box
				Rotary shaker	Mini Rotary Shaker			
062651	1.5	10-13	6	16	10	Double position	2	NC -
062652	15	16-17	1	22	10	Vertical	2	NC -
062653	50	28-30	1	12	6	Vertical	2	NC -
062654	15	16-17	6	2	1	Horizontal	1	NC -
062655	50	28-30	6	2	1	Horizontal	1	NC -

Accessories

Cat. No.	Description	€ excl. VAT
062656	Rocking platform size 152 x 254 mm	NC -
062657	Rocking platform size 152 x 127 mm	NC -

ClearLine®rotary shaker



- Adjustable stirring speed and angle
- Sequential, reversible rotation (rotation up to 360° and then reversal)
- Can be used in incubators
- Warranty: 2 years
- Clips with anti-slip coating

- 3 carousels included:
- 48 x 1.5 ml (for tubes Ø 10 - 14 mm)
 - 20 x 15 ml (for tubes Ø 15 - 20 mm)
 - 12 x 50 ml (for tubes Ø 25 - 30 mm)

Speed	1 - 40 rpm
Tilt	variable 0 - 90°
Capacity	12 x 50 ml, 20 x 15 ml, 48 x 2 ml
Timer	Continuous / 1 seconde to 9 heures
Operating temperature	+ 4 °C - + 60 °C
Dimensions (mm)	21 x 27 x 32
Weight (kg)	3.2
Power supply	100V - 240V ; 50 - 60Hz ; 25W
Cat. No.	062646CL
€ excl. VAT	NC -

EQUIPMENT

LabPro SLS Water Baths



- > LED display with digital temperature control
- > Overheating alarm
- > Antimicrobial coating
- > 22 l model with drain valve
- > Warranty: 3 years
- > Lid recommended for temperatures above 60°C (included)



Volume (l)	2	4	14	22	28
Temperature range	+5 °C to +99 °C				
Uniformity	± 0.1°C				
Temperature accuracy	± 0.2°C				
Int. Dim. W x D x H (mm)	300 x 150 x 65	300 x 150 x 150	325 x 300 x 150	500 x 300 x 150	
Ext. Dim. W x D x H (mm)	332 x 185 x 135	332 x 185 x 290	361 x 332 x 290	538 x 332 x 290	
Water baths Cat. No.	257096	257097	257098	257099	257100
€ excl. VAT	NC -	NC -	NC -	NC -	NC -
Transparent lid Cat. No.	-	257104	257105	257106	-
€ excl. VAT	-	NC -	NC -	NC -	-

SLS Lab Pro Thermostatic Baths



- > LED display with digital temperature control
- > Temperature alarm
- > Automatic shut-off in box of low water level
- > Timer starting at set temperature
- > Antimicrobial coating
- > Warranty: 3 years
- > Delivered with a stainless steel shelf



Volume (l)	8	14	22
Temperature range	+5 °C to +99 °C		
Uniformity	± 0.01°C		
Temperature accuracy	± 0.05°C		
Int. Dim. W x D x H (mm)	129 x 300 x 150	219 x 298 x 150	395 x 298 x 150
Ext. Dim. W x D x H (mm)	271 x 332 x 170	361 x 332 x 170	537 x 332 x 170
Water baths Cat. No.	257093	257094	257095
€ excl. VAT	NC -	NC -	NC -
Cat. No. transparent lid	257101	257102	257103
€ excl. VAT	NC -	NC -	NC -

ClearLine® mini magnetic stirrer



Capacity (l)	1.5
Speed (rpm)	100 to 1500
Plate size (cm)	8.5 x 8.5
Ext. Dimensions W x D x H (mm)	120 x 120 x 30
Weight (kg)	0.2
Permissible working temperature	45 °C
Power supply (W/V/Hz)	2/240/50 - 60
Cat. No.	062703CL
€ excl. VAT	NC -

ClearLine® Miniature vortex stirrer



- > Miniature model
- > Activation by pressure
- > Warranty: 2 years



Speed (rpm)	2800
Amplitude (mm)	4
Operating temperature	4 to 65°C
Dim W x L x H (mm)	94 x 99 x 66
Weight (kg)	0.4
Power supply	100 - 240 V / 50 - 60 Hz
Colour	Grey
Cat. No.	062599CL
€ excl. VAT	NC -

ClearLine® Microcentrifuge



- > For 5 ml and 1.5/2 ml microtubes
- > Adapter for 12 x 75 mm tubes included
- > Start and stop by closing or opening the lid

Speed (rpm)	5500
RCF acceleration (g)	2000
Capacity	4 x 5 ml and 4 x 1.5/2 ml microtubes
Dimensions (L x W x H) (mm)	140 x 200 x 112
Weight (kg)	1
Power	100 - 240 V/50 - 60 Hz/300 W
Cat. No.	062586CL
€ excl. VAT	386 -

ClearLine® Microcentrifuge for microtubes



Microcentrifuge for 2 ml, 1.5 ml, 0.5 ml (to be placed in 1.5 ml microtubes) or 0.2 ml microtubes.
 Supplied with 2 rotors: one rotor for 6 microtubes 1.5 / 2 ml and one rotor for 2 strips of 8 PCR microtubes 0.2 ml.

- > Off-On switch
- > Lockable translucent lid
- > Stable muffler
- > Fixed angle rotor

Maximum capacity	6 x 1.5 ml microtubes or 2 x 8 microtube strips
Speed (rpm)	6000
RCF acceleration (g)	2000
Timer	no
Number of rotors	1 rotor for 6 microtubes and 1 rotor for 2 strips included
Cat. No.	037997
€ excl. VAT	NC -

ClearLine® Microcentrifuge for PCR plates



Before and after centrifugation



During centrifugation



- > Unique free rotor design prevents splashing
- > Smaller size
- > Accepts all types of PCR plates, microplates, and Deepwell plates (with optional rotor)
- > Warranty: 5 years

Speed (rpm)	2100
RCF acceleration (g)	400
Capacity	2 PCR plates * or 2 microplates or 192 PCR tubes 0.2 ml or 24 strips of 8 tubes
Deceleration (s)	7
Dimensions (W x L x H) (mm)	230 x 260 x 197
Weight (kg)	4
Power	230 V, 50 Hz
Cat. No.	062583CL
€ excl. VAT	NC -

* Maximum capacity 4 plates in a stack (with optional deepwell rotor)

Adapter and rotor

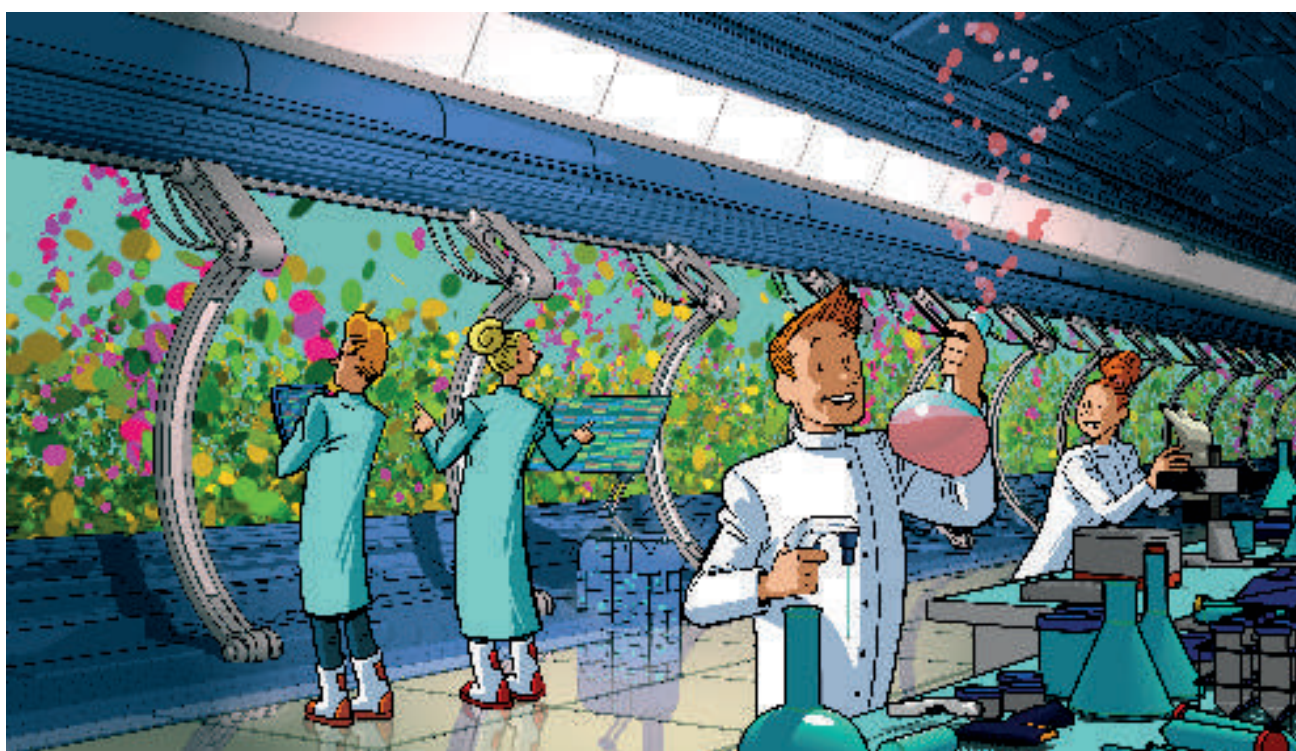
Cat. No.	Description	€ excl. VAT
062584	Adapter for 0.2 ml PCR tubes (2 units)	NC -
062585	Rotor for Deepwell plates (max. height 35 mm)	NC -

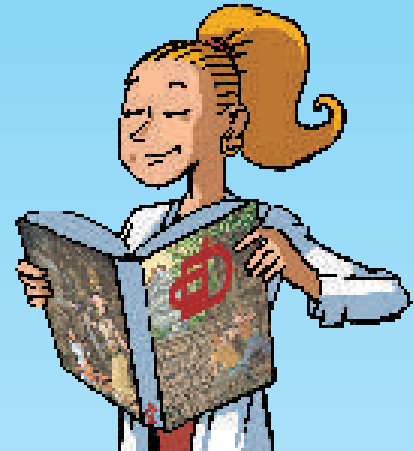
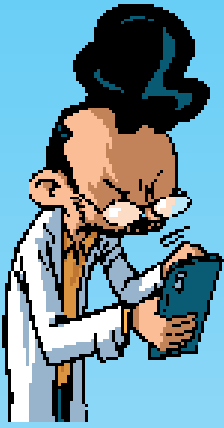
ClearLine®DNA and PCR workstations

- > UV chamber with bactericidal UV lamps of wavelength 254 nm
- > Models with glass or plexiglass walls
- > Digital timer
- > Internal lighting: white light (15 W lamp)
- > Passage through the chamber for external connection

Model	Plexiglas	Glass	Glass 1200 mm
UV irradiation			
Wavelength	253.7 nm		
UV lamp	1 x 25 W	2 x 30 W	
Intensity UV	15 mV/cm ² /s		
UV recirculator (efficiency > 99% / h)	1 x 25 W	1 x 30 W	
Walls			
Material	Plexiglas	Glass	Glass
Lateral thickness (mm)	4		
Frontal thickness (mm)	8		
Screen thickness (mm)	8	4	5
Optical transmission	92 %	95 %	
UV protection	> 99,9 %	> 96 %	
Other information			
Ext. dim. (mm) L x D x H	690 x 535 x 555		1245 x 585 x 585
Working Area (mm)	650 x 475		1200 x 520
Net weight (kg)	23	31	58
Gross weight (kg)	33	39	68.5
Power consumption	253 W ; 1.2 A		320 VA (1.4 A)
Electric Power supply	230 V/50 Hz		230 V, 50/60 Hz
Cat. No.	490005	490005B	712247
€ excl. VAT	NC -	NC -	NC -

- > Ideal for safe sample preparation:
 - UV radiation disinfects the inner surface, deactivating any DNA/RNA, in 15-30 min
 - automatic shut-off of radiation when the door is opened
 - bactericidal chamber decontamination system, by cleaning-air circulation
 - ozone-free radiation





ORDER AT:

Denmark (Headquarters)

AH diagnostics A/S
Gammel Viborgvej 11A
8381 Tilst

+45 8745 9010
ahdiagnostics@ahdiagnostics.dk
www.ahdiagnostics.dk

Sweden

AH diagnostics AB
Vallgatan 9
170 67 Solna

+46 (0)8 680 0845
ahdiagnostics@ahdiagnostics.se
www.ahdiagnostics.se

Norway

AH diagnostics AS
Postboks 4499 Nydalen
0403 Oslo

+47 2323 3260
ahdiagnostics@ahdiagnostics.no
www.ahdiagnostics.no

Finland

AH diagnostics Oy
Karhumäentie 3
01530 Vantaa

+358 (0)10 325 3000
ahdiagnostics@ahdiagnostics.fi
www.ahdiagnostics.fi