

	Page
Trypsin	78
MEM 50X / 100X concentrate	79
BME 100X concentrate	79
Lymphosep	79
Glutamine	80
Colcemid	81
Cell Culture Water	81
Phenol Red	81
Trypan Blue	82
Amino Acids	82 - 84
Vitamins	85



Trypsin

>> See composition page 86

Trypsin is a porcine pancreas-derived enzyme that is commonly used for the dissociation and disaggregation of anchorage-dependent mammalian cells and tissues. The concentration of trypsin necessary to dislodge the cells from their substrate depends on the sensitivity of the cells.

Cat N°	Description	Unit / Size
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Liquid

L0909	Trypsin 0.25 % in PBS w/o Calcium w/o Magnesium w/ Phenol red <i>State : Frozen Storage : -20° C Life : 24 months</i>	100 ml
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L0910	Trypsin 0.25 % in PBS w/o Calcium w/o Magnesium <i>State : Frozen Storage : -20° C Life : 24 months</i>	100 ml
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L0930	Trypsin-EDTA 1X in PBS w/o Calcium w/o Magnesium w/ Phenol Red <i>State : Frozen Storage : -20° C Life : 24 months</i>	100 ml
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L0931	Trypsin 0.25% - EDTA in HBSS w/o Calcium w/o Magnesium w/ Phenol Red <i>State : Frozen Storage : -20° C Life : 24 months</i>	100 ml
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L0932	Trypsin 0.25% - EDTA 0.02% in HBSS w/o Calcium w/o Magnesium w/ Phenol Red <i>State : Frozen Storage : -20° C Life : 24 months</i>	100 ml
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L0940	Trypsin-EDTA 1X in PBS w/o Calcium w/o Magnesium w/o Phenol Red <i>State : Frozen Storage : -20° C Life : 24 months</i>	100 ml
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Powder

P0940	Trypsin - EDTA 1X Lyophilised w/ Sodium Chloride <i>State : Powder Storage : +2/+8 °C Life : 24 months</i>	1 g 100 g
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P5957	Trypsin 1:250 powder (porcine) <i>State : Powder Storage : +2/+8 °C Life : 48 months</i>	1 g 100 g
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10x concentration

X0915	Trypsin 2.5 % in PBS w/o Calcium w/o Magnesium w/o Phenol Red <i>State : Frozen Storage : -20° C Life : 18 months</i>	100 ml
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X0920	Trypsin 2.5 % in HBSS w/o Calcium w/o Magnesium w/o Phenol Red <i>State : Frozen Storage : -20° C Life : 24 months</i>	100 ml 500 ml
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X0930	Trypsin-EDTA 10X <i>State : Frozen Storage : -20° C Life : 24 months</i>	100 ml
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MEM 50X / 100X and BME 100X concentrate Amino Acids, Vitamins, NEAA

>> See composition page 86

The solution of amino acids, vitamins or non essential amino acids concentrated can be added to your basal medium (the final concentration of the MEM or BME must be 1X) to enrich it and then this medium is used as a classical MEM or BME.

Cat N°	Description	Unit / Size
50X / 100x concentration		
X0552	BME Amino Acids 100X w/o L-Glutamine <i>State : Liquid Storage : +2/+8 °C Life : 24 months</i>	100ml
X0554	MEM Amino Acids 50X w/o L-Glutamine <i>State : Liquid Storage : +2/+8 °C Life : 24 months</i>	100ml
X0555	BME Vitamins 100X w/o L-Glutamine <i>State : Frozen Storage : -20° C Life : 24 months</i>	100ml
X0556	MEM Vitamins 100X w/o L-Glutamine <i>State : Frozen Storage : -20° C Life : 24 months</i>	100ml
X0557	MEM Non Essential Amino Acids 100X w/o L-Glutamine <i>State : Liquid Storage : +2/+8 °C Life : 24 months</i>	100ml



Lymphosep

>> See composition page 87

Lymphosep is designed for the simple, rapid isolation of lymphocytes from whole blood that has been diluted and treated with anti-coagulant or defibrinating agent.

Cat N°	Description	Unit / Size
Liquid		
L0560	Lymphosep, Lymphocyte Separation Media <i>State : Liquid Storage : +20° C Life : 24 months</i>	100 ml 500 ml



Glutamine

L-Glutamine is an essential amino acid required by virtually all mammalian and insect cells grown in culture. It is a crucial component of many cell culture media and serves as a major energy source for cells in culture. L-Glutamine is very stable as a dry powder and as a frozen solution. However, in liquid media or stock solutions, L-Glutamine can degrade relatively rapidly. L-Glutamine is also more labile in cell culture solution than other amino acids.

L-Glutamine degradation results in a build up of ammonia which could have a deleterious effect on some culturing systems.

Dipeptide derivatives of L-Glutamine prevent the intramolecular cyclization reaction associated with solutions of L-Glutamine. These derivatives are therefore stable in solution and allow the formulation of cell culture media containing L-Glutamine that may be stored at 4°C for extended periods. Solutions containing these derivatives can be even autoclaved without appreciable degradation of the product (30 minutes at 121°C results in <5% loss of the product).

The dipeptide derivatives are metabolized within the cells to yield L-Glutamine plus the second amino acid. This results in more consistent delivery of L-Glutamine to your cells and avoid toxic build-up of ammonia in your cell cultures. This feature can be especially important for ammonia-sensitive cell lines.

Cat N°	Description	Unit / Size
	Powder	
P1012	L-Glutamine	100 g
	<i>State : Powder Storage : +20° C Life : 24 months CAS N°56-85-9</i>	500 g
P1031	L-Alanyl-L-Glutamine, stable Glutamine	100 g
	<i>State : Powder Storage : +20° C Life : 36 months CAS N°39537-23-0</i>	500 g
	100X concentration	
X0550	L-Glutamine 100X, 200mM	100 ml
	<i>State : Frozen Storage : -20° C Life : 24 months</i>	500 ml
X0551	Glutamine stable 100X, 200 mM	100 ml
	<i>State : Frozen Storage : -20° C Life : 24 months</i>	500 ml



Cell Culture Water

Cat N°	Description	Unit / Size
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Liquid

L0970	Cell Culture Water Pyrogen free	500 ml
	<i>State : Liquid Storage : +20° C Life : 48 months</i>	



Colcemid

>> See composition page 87

Colcemid arrested the division of cells in mitosis. It prevents the formation of the spindle apparatus responsible for cell division, thereby permitting an accumulation of metaphases.

Cat N°	Description	Unit / Size
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Liquid

L0040	Colcemid 10 µg / ml in PBS	10 ml
	<i>State : Liquid Storage : +2/+8 °C Life : 24 months</i>	20 ml
		50 ml



Phenol Red

Phenol red is used as a pH indicator. The sodium salt of phenol red is used widely in culture media to identify changes from neutral to acidic pH values. A solution of phenol red will have a yellow color at a pH of 6.4 or below and a red color at a pH of 8.2 and above.

Cat N°	Description	Unit / Size
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Liquid

L0541	Phenol Red Solution 0.5 %	100 ml
	<i>State : Liquid Storage : +2/+8 °C Life : 48 months</i>	

Powder

P5648	Phenol Red Sodium Salt	
	<i>State : Powder Storage : +20° C Life : 48 months</i>	CAS N° 34487-61-1

Cell Culture Reagents

Product List Amino Acids



Trypan Blue

Trypan Blue is a stain used to distinguish viable from non viable cells.

Cat N°	Description	Unit / Size
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Liquid

L0990	Trypan blue 0.5 % Solution (non sterile)	100 ml
	<i>State : Liquid Storage : +20°C Life : 24 months</i>	500 ml

Powder

P0935	Trypan blue (Direct blue 14)	
	<i>State : Powder Storage : +20° C Life : 48 months</i>	CAS N° 72-57-1



Amino Acids

Cat N°	Description		
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P1001	L-Alanine		
	<i>State : Crystalline Storage : +20° C Life : 48 months</i>		CAS N° 56-41-7
P1002	L-Arginine, Free base		
	<i>State : Crystalline Storage : +20° C Life : 36 months</i>		CAS N° 74-79-3
P1003	L-Arginine Hydrochloride		
	<i>State : Crystalline Storage : +20° C Life : 36 months</i>		CAS N° 1119-34-2
P1004	L-Asparagine Anhydrous		
	<i>State : Powder Storage : +20° C Life : 36 months</i>		CAS N° 70-47-3
P1005	L-Asparagine Monohydrate		
	<i>State : Crystalline Storage : +20° C Life : 36 months</i>		CAS N° 5794-13-8
P1006	L-Aspartic Acid		
	<i>State : Powder Storage : +20° C Life : 36 months</i>		CAS N° 56-84-8
P1007	L-Cysteine, Free Base		
	<i>State : Crystalline Storage : +20° C Life : 36 months</i>		CAS N° 52-90-4
P1008	L-Cysteine Hydrochloride Monohydrate		
	<i>State : Crystalline Storage : +20° C Life : 48 months</i>		CAS N° 7048-04-6

Cat N°	Description				
P1009	L-Cystine	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 48 months</i>	CAS N° 56-89-3
P1010	L-Cystine Dihydrochloride	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 36 months</i>	CAS N° 30925-07-6
P1011	L-Glutamic Acid	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 36 months</i>	CAS N° 56-86-0
P1012	L-Glutamine	<i>State : Powder</i>	<i>Storage : +20° C</i>	<i>Life : 24 months</i>	CAS N° 56-85-9
P1013	Glycine	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 36 months</i>	CAS N° 56-40-6
P1014	L-Histidine Base	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 36 months</i>	CAS N° 71-00-
P1015	L-Histidine Hydrochloride Monohydrate	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 36 months</i>	CAS N° 5934-29-2
P1016	L-Isoleucine	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 36 months</i>	CAS N° 73-32-
P1017	L-Leucine	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 24 months</i>	CAS N° 61-90-5
P1018	L-Lysine Monohydrochloride	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 24 months</i>	CAS N° 657-27-2
P1019	L-Methionine	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 36 months</i>	CAS N° 63-68-3
P1020	L-Phenylalanine	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 36 months</i>	CAS N° 63-91-2
P1021	L-Proline	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 24 months</i>	CAS N° 147-85-3
P1022	L-Hydroxyproline	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 36 months</i>	CAS N° 51-35-4
P1023	L-Serine	<i>State : Powder</i>	<i>Storage : +20° C</i>	<i>Life : 24 months</i>	CAS N° 56-45-1
P1024	L-Threonine	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 24 months</i>	CAS N° 72-19-5

Cell Culture Reagents

Amino Acids

Cat N° **Description**

P1025 L-Tryptophane

State : Powder Storage : +20° C Life : 24 months CAS N° 73-22-3

P1026 L-Tyrosine

State : Crystalline Storage : +20° C Life : 48 months CAS N° 60-18-4

P1027 L-Tyrosine Disodium Salt Dihydrate

State : Powder Storage : +20° C Life : 12 months CAS N° 69847-45-6

P1028 L-Valine

State : Crystalline Storage : +20° C Life : 24 months CAS N° 72-18-4

P1031 L-Alanyl-L-Glutamine, stable Glutamine

State : Powder Storage : +20° C Life : 36 months CAS N° 39537-23-0

P1030 Lactalbumine, hydrolysate

State : Powder Storage : +2/+8 °C Life : 36 months CAS N° 68458-87-7

P1040 L-Ornithin HCl

State : Powder Storage : +2/+8 °C Life : 24 months CAS N° 3184-13-2

P1360 D-Phenylalanine

State : Powder Storage : +20° C Life : 48 months CAS N° 673-06-3

P1400 D-Tryptophan

State : Powder Storage : +20° C Life : 48 months CAS N° 153-94-6

P1420 D-Valine

State : Powder Storage : +20° C Life : 48 months CAS N° 640-68-6

P1520 Beta-Alanine

State : Powder Storage : +2/+8 °C Life : 36 months CAS N° 107-95-9



Vitamins

<i>Cat N°</i>	<i>Description</i>				
P3010	L-Ascorbic Acid (Vitamin C)	<i>State : Powder</i>	<i>Storage : +20° C</i>	<i>Life : 24 months</i>	<i>CAS N° 50-81-7</i>
P3020	D-Biotin (Vitamin H)	<i>State : Powder</i>	<i>Storage : +2/+8 °C</i>	<i>Life : 36 months</i>	<i>CAS N° 58-85-5</i>
P3030	Calcium D-Pantothenate	<i>State : Powder</i>	<i>Storage : +2/+8 °C</i>	<i>Life : 48 months</i>	<i>CAS N° 137-08-6</i>
P3040	Choline Chloride	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 24 months</i>	<i>CAS N° 67-48-1</i>
P3050	Folic Acid	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 24 months</i>	<i>CAS N° 59-30-3</i>
P3060	Myo-Inositol	<i>State : Powder</i>	<i>Storage : +20° C</i>	<i>Life : 24 months</i>	<i>CAS N° 87-89-8</i>
P3070	Nicotinamide	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 36 months</i>	<i>CAS N° 98-92-0</i>
P3080	Nicotinic Acid	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 24 months</i>	<i>CAS N° 59-67-6</i>
P3090	Pyridoxal Hydrochloride	<i>State : Crystalline</i>	<i>Storage : +2/+8 °C</i>	<i>Life : 48 months</i>	<i>CAS N° 65-22-5</i>
P3100	Pyridoxine Hydrochloride	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 24 months</i>	<i>CAS N° 58-56-0</i>
P3110	Riboflavin	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 36 months</i>	<i>CAS N° 83-88-5</i>
P3120	Thiamine Hydrochloride	<i>State : Crystalline</i>	<i>Storage : +20° C</i>	<i>Life : 36 months</i>	<i>CAS N° 67-03-8</i>
P3130	Vitamin B12	<i>State : Crystalline</i>	<i>Storage : +2/+8 °C</i>	<i>Life : 12 months</i>	<i>CAS N° 68-19-9</i>
P3150	Vitamin E Acetate	<i>State : Powder</i>	<i>Storage : +2/+8 °C</i>	<i>Life : 24 months</i>	<i>CAS N° 7695-91-2</i>

Cell Culture Reagents

Composition

Trypsin

	L0909	L0910	L0930	L0931	L0932	L0940	P0940	X0915	X0920	X0930
	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Powder	10x	10x	10x
	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Inorganic Salts	EDTA	/	/	/	/	/	200	2000	/	/
	EDTA Disodium Salt Dihydrate	/	/	221,4	380	200	/	/	/	2214
	Potassium Chloride	200	200	400	400	400	200	/	200	400
	Potassium Phosphate Monobasic Anhydrous	200	200	/	60	60	200	/	200	60
	Sodium Bicarbonate			580	350	350	/	/	/	350
	Sodium Chloride	8000	8000	8000	8000	8000	8000	8500	8000	8000
Sodium Phosphate Dibasic Anhydrous	1150	1150	/	48	48	1150	/	1150	47,88	/
O.C.*	D-Glucose	1000	1000	1000	1000	1000	/	1000	1000	10000
	Phenol Red Sodium Salt	2	/	2	10	10	/	/	/	/
	Trypsin 1:250	2500	2500	500	2500	2500	500	500	25000	25000

MEM 50x / 100x concentrate BME 100 x concentrate

	X0552	X0554	X0555	X0556	X0557	
	Liquid	Liquid	Liquid	Liquid	Liquid	
	mg/l	mg/l	mg/l	mg/l	mg/l	
Amino Acids	Glycine	/	/	/	/	750
	L-Alanine	/	/	/	/	890
	L-Arginine Monohydrochloride	2100	6320	/	/	/
	L-Asparagine Monohydrate	/	/	/	/	1500
	L-Aspartic acid	/	/	/	/	1330
	L-Cystine	1200	1200	/	/	/
	L-Glutamic Acid	/	/	/	/	1470
	L-Histidine Monohydrochloride Monohydrate	/	2100	/	/	/
	L-Histidine	800	/	/	/	/
	L-Isoleucine	2600	2625	/	/	/
	L-Leucine	2600	2625	/	/	/
	L-Lysine Monohydrochloride	3647	3625	/	/	/
	L-Methionine	750	755	/	/	/
	L-Phenylalanine	1650	1650	/	/	/
	L-Proline	/	/	/	/	1150
	L-Serine	/	/	/	/	1050
L-Threonine	2400	2380	/	/	/	
L-Tryptophan	400	510	/	/	/	
L-Tyrosine	1800	1800	/	/	/	
L-Valine	2350	2340	/	/	/	
Vitamins	Sodium Chloride	/	/	8500	8500	/
	Choline Chloride	/	/	100	100	/
	D-Biotin	/	/	100	/	/
	D-Ca Pantothenate	/	/	100	100	/
	Folic Acid	/	/	100	100	/
	Myo-Inositol	/	/	200	200	/
	Nicotinamide (Nicotinic acid amide)	/	/	100	100	/
	Pyridoxal Hydrochloride	/	/	100	100	/
	Riboflavin	/	/	10	10	/
	Thiamine Hydrochloride	/	/	100	100	/

* Other Components
** Inorganic Salts

Lymphosep

L0560

Liquid
mg/l

I.S.**	Diatrizoic Acid Dihydrate	95281,959
	EDTA Dihydrate	231
	Sodium Hydroxyde pellets	5860

O.C.*	Polysaccharose 400	57000
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Colcemid

L0040

Liquid
mg/l

Inorganic Salts	Calcium Chloride Dihydrate	133
	Magnesium Chloride Hexahydrate	100
	Potassium Chloride	200
	Potassium Phosphate Monobasic Anhydre	200
	Sodium Chloride	8000
	Sodium Phosphate Dibasic Anhydrous	1150

O.C.*	Demecolcine	10
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* Other Components
** Inorganic Salts