

Full-Spectrum Bioprocess Reagents.
EU Supplier.

Cell Culture Catalogue

Reagents built for research and manufacturing workflows: media, additives, buffers, defoamers, and sera.

Introduction	2
Culture Media	3
DMEM	3
RPMI 1640	5
MEM	6
Additional Media	7
SILAC Media	9
Specialty and Serum-free Media	10
Sera	12
Fetal Bovine Serum	12
Other Bovine Sera	16
Other Animal Sera	17
Buffers and Balanced Salt Solutions	19
Cell Culture Additives	21
Antibiotics, Antimycotics, and Mycoplasma Control	21
Supplements and Growth Factors	22
Cell Detachment Reagents	24
Selection Agents, Specialty Reagents, and Specialty Media	25
Defoamers	28

Introduction

Cell culture processes are essential in protein and antibody production, vaccine manufacturing, gene therapy, cell therapy, and fundamental biological research. A successful cell culture process depends on selecting the right basal medium and supplements for the cell type, maintaining appropriate conditions through buffers and additives, controlling contamination, and scaling production efficiently.

LT Biotech's cell culture portfolio is designed to support every stage of your workflow. Basal media (DMEM, RPMI, MEM, Ham's, IMDM, and more) provide the nutritional foundation. Fetal and animal sera supply growth factors and attachment proteins. Glutamine sources, vitamins, and growth supplements enrich the formulation. Antibiotics and antimycotics control contamination risk. Detachment reagents enable routine passaging. Specialty serum-free media support CHO, hybridoma, and primary cell applications, while defoamers address the demands of bioreactor-scale cultures.

For researchers and process scientists who require solutions beyond standard formulations, LT Biotech offers a Media Cultivation Optimisation Service. Starting with a consultation to assess your current media and growth conditions, the team customises culture media composition, pH, and process parameters to the specific requirements of your microorganisms or cell lines with the aim of improving productivity, increasing yields, and creating a more efficient process.

Culture Media

LT Biotech culture media are sterile-filtered liquid and powder formulations manufactured to the highest quality standards. Each lot is tested for sterility, mycoplasma absence, pH, osmolality, and cell growth performance. The range covers a broad selection of base formulations to support diverse mammalian, insect, and hybridoma cell culture applications.

DMEM

Dulbecco's Modified Eagle Medium (DMEM) is one of the most widely used basal media, supporting growth of a broad range of mammalian cell types. LT Biotech offers DMEM in high-glucose (4.5 g/l) and low-glucose (1 g/l) liquid formulations, and in powder versions for large-scale applications.

Product code	Product name	Package	Distributor price, EUR
LTLM-B03	DMEM High Glucose (4.5 g/l), with L-Glutamine	500 ml	8.10
LTLM-B06	DMEM High Glucose (4.5 g/l), with Stable Glutamine, with Sodium Pyruvate	500 ml	8.50
LTLM-B04	DMEM High Glucose (4.5 g/l), with Stable Glutamine, with 25 mM HEPES	500 ml	8.50
LTLM-B05	DMEM High Glucose (4.5 g/l), with L-Glutamine, with Sodium Pyruvate	500 ml	8.10
LTLM-B08	DMEM High Glucose (4.5 g/l), w/o L-Glutamine	500 ml	8.10
LTLM-B07	DMEM High Glucose (4.5 g/l), w/o L-Glutamine, with Sodium Pyruvate	500 ml	8.10
LTLM-B09	DMEM High Glucose (4.5 g/l), w/o L-Glutamine, w/o Phenol Red	500 ml	8.10
LTLM-B10	DMEM Low Glucose (1 g/l), with L-Glutamine, with Sodium Pyruvate	500 ml	8.10
LTLM-B11	DMEM Low Glucose (1 g/l), with Stable Glutamine, with Sodium Pyruvate	500 ml	8.50
LTLM-B12	DMEM Low Glucose (1 g/l), w/o L-Glutamine, with Sodium Pyruvate	500 ml	8.10
LTLM-B36	DMEM PRO High Glucose (4.5 g/l), w/o L-Glutamine	500 ml	—

Product code	Product name	Package	Distributor price, EUR
LTPM-L01	DMEM High Glucose (4.5 g/l) Powder, with L-Glutamine, w/o Sodium Bicarbonate	for 10 L	15.30
LTPM-L02	DMEM High Glucose (4.5 g/l) Powder, with L-Glutamine, w/o Sodium Bicarbonate	for 50 L	66.50
LTPM-L03	DMEM High Glucose (4.5 g/l) Powder, with L-Glutamine, with Sodium Pyruvate, w/o Sodium Bicarbonate	for 10 L	17.30
LTPM-L04	DMEM High Glucose (4.5 g/l) Powder, with L-Glutamine, with Sodium Pyruvate, w/o Sodium Bicarbonate	for 50 L	68.40
LTPM-L05	DMEM Low Glucose (1 g/l) Powder, with L-Glutamine, with Sodium Pyruvate, w/o Sodium Bicarbonate	for 10 L	15.30
LTPM-L06	DMEM Low Glucose (1 g/l) Powder, with L-Glutamine, with Sodium Pyruvate, w/o Sodium Bicarbonate	for 50 L	66.50

Product line features

Liquid DMEM

Sterile-filtered; available with L-Glutamine, Stable Glutamine (dipeptide, GlutaMAX-equivalent), or glutamine-free; with or without sodium pyruvate, 25 mM HEPES, and phenol red indicator.

DMEM PRO

Premium-grade formulation with enhanced lot-to-lot consistency for demanding applications.

Powder DMEM

Supplied without sodium bicarbonate for reconstitution to user-defined volumes; two pack sizes.

Storage

+2 to +8°C (liquid and powder); keep dry (powder).

Ordering information

Liquid DMEM supplied in 500 ml. Powder media available in two pack sizes. Contact info@ltbiotech.it for custom formulations and bulk pricing.

RPMI 1640

RPMI 1640 is a versatile medium originally developed for human leukaemic cells and now widely used for lymphocytes, hybridomas, and a broad range of suspension and adherent cell lines. LT Biotech offers RPMI 1640 in both liquid and powder formats.

Product code	Product name	Package	Distributor price, EUR
LTLM-B23	RPMI 1640, with L-Glutamine	500 ml	8.10
LTLM-B24	RPMI 1640, with L-Glutamine, with 25 mM HEPES	500 ml	9.80
LTLM-B25	RPMI 1640, w/o L-Glutamine, with 25 mM HEPES	500 ml	9.60
LTLM-B26	RPMI 1640, with Stable Glutamine	500 ml	8.50
LTLM-B27	RPMI 1640, w/o L-Glutamine	500 ml	8.10
LTLM-B28	RPMI 1640, w/o L-Glutamine, w/o Phenol Red	500 ml	9.30
LTPM-L09	RPMI 1640 Powder, with L-Glutamine, w/o Sodium Bicarbonate	for 10 L	15.30
LTPM-L10	RPMI 1640 Powder, with L-Glutamine, w/o Sodium Bicarbonate	for 50 L	66.50
LTPM-L11	RPMI 1640 Powder, with L-Glutamine, with 25 mM HEPES, w/o Sodium Bicarbonate	for 10 L	17.30
LTPM-L12	RPMI 1640 Powder, with L-Glutamine, with 25 mM HEPES, w/o Sodium Bicarbonate	for 50 L	68.40

Product line features

Liquid RPMI 1640

Available with L-Glutamine, Stable Glutamine, or glutamine-free; with or without HEPES buffering and phenol red.

Storage: +2 to +8°C.

Ordering information

Liquid formulations supplied in 500 ml. Powder media available in two pack sizes. Contact info@ltbiotech.it.

Powder RPMI 1640

Supplied without sodium bicarbonate; with or without 25 mM HEPES; two pack sizes.

MEM

Minimum Essential Medium (MEM) is a widely used basal medium for adherent mammalian cell lines. LT Biotech offers MEM with Earle's Salts and MEM Alpha Modification in liquid and powder formats.

Product code	Product name	Package	Distributor price, EUR
LTLM-B18	MEM with Earle's Salts, with L-Glutamine	500 ml	8.10
LTLM-B21	MEM with Earle's Salts, with Stable Glutamine	500 ml	9.30
LTLM-B22	MEM with Earle's Salts, w/o L-Glutamine	500 ml	8.10
LTLM-B19	MEM Alpha Modification, w/o L-Glutamine, with Nucleosides	500 ml	14.90
LTLM-B20	MEM Alpha Modification, w/o L-Glutamine, w/o Nucleosides	500 ml	12.80
LTPM-L07	MEM with Earle's Salts Powder, with L-Glutamine, w/o Sodium Bicarbonate	for 10 L	15.30
LTPM-L08	MEM with Earle's Salts Powder, with L-Glutamine, w/o Sodium Bicarbonate	for 50 L	66.50

Product line features

MEM with Earle's Salts

Available with L-Glutamine, Stable Glutamine, or glutamine-free; suitable for a broad range of adherent mammalian cell lines.

Storage: +2 to +8°C; MEM Alpha — never below +2°C.

MEM Alpha Modification

Recommended for culture of haematopoietic cells, hybridomas, and primary cells; available with or without nucleosides.

Ordering information

Liquid formulations supplied in 500 ml. Powder medium available in two pack sizes. Contact info@ltbiotech.it.

Additional Media

Product code	Product name	Package	Distributor price, EUR
LTLM-B30	Ham's F-10, with L-Glutamine	500 ml	10.60
LTLM-B13	Ham's F-12, with L-Glutamine	500 ml	10.60
LTLM-B01	DMEM/Ham's F-12, with L-Glutamine	500 ml	8.90
LTLM-B02	DMEM/Ham's F-12, w/o L-Glutamine, with 15 mM HEPES	500 ml	9.60
LTLM-B29	DMEM/Ham's F-12, with L-Glutamine, with 15 mM HEPES	500 ml	9.60
LTLM-B17	McCoy's 5A Medium, with L-Glutamine	500 ml	12.30
LTLM-B14	IMDM, with L-Glutamine, without Supplements	500 ml	11.90
LTLM-B15	Leibovitz's L-15 Medium, w/o L-Glutamine	500 ml	12.80
LTLM-B16	Medium 199 with Earle's Salts, with L-Glutamine	500 ml	11.90
LTLM-B30	Medium 199 with Hank's Salts, with L-Glutamine	500 ml	—

Product line features

Ham's F-10 and F-12

Nutrient-rich media supporting growth of primary cells and cell lines with demanding nutritional requirements.

DMEM/Ham's F-12 (1:1 mixture)

Widely used for serum-free and reduced-serum culture; available with or without L-Glutamine and with or without 15 mM HEPES buffer.

McCoy's 5A

Suitable for suspension culture of lymphocytes and other haematopoietic cell types.

Storage

+2 to +8°C; McCoy's 5A and Medium 199 — never below +2°C.

IMDM

Iscove's Modified Dulbecco's Medium; recommended for rapidly dividing haematopoietic cells and hybridomas.

Leibovitz's L-15

CO₂-independent medium for cells grown in ambient air.

Medium 199

General-purpose basal medium available with Earle's or Hank's salt base.

Ordering information

All formulations supplied in 500 ml. Contact info@ltbiotech.it.

SILAC Media

SILAC (Stable Isotope Labelling by Amino acids in Cell culture) media are formulated without arginine, lysine, and glutamine for quantitative proteomics applications. Isotope-labelled amino acid supplements are added separately by the researcher.

Product code	Product name	Package	Distributor price, EUR
LTLM-B33	SILAC DMEM, High Glucose (4.5 g/L), w/o L-Arginine, w/o L-Lysine, w/o L-Glutamine, w/o Phenol Red	500 ml	27.60
LTLM-B34	SILAC RPMI 1640, w/o L-Arginine, w/o L-Lysine, w/o L-Glutamine, w/o Phenol Red	500 ml	27.60

Product line features

SILAC DMEM and SILAC RPMI 1640

Arginine-, lysine-, glutamine-, and phenol-red-free; designed for use with isotope-labelled amino acid supplements in quantitative proteomics workflows.

Storage

+2 to +8°C.

Ordering information

Supplied in 500 ml. Contact info@ltbiotech.it.

Specialty and Serum-free Media

LT Biotech's specialty media portfolio includes serum-free and chemically defined formulations for CHO, hybridoma, tumour, and insect cell culture, as well as cryopreservation media.

Product code	Product name	Package	Distributor price, EUR
LTLM-B32	TC100 Insect Medium, with L-Glutamine	—	—
LTCHOF/A500	CHOFirst A	—	—
LTCHOF/E500 / LTCHOF/E1000	CHOFirst E	500 ml / 1 L	—
LTCHOF1.100 / LTCHOF1.500	CHOFirst F1	100 ml / 500 ml	—
LTCHOF2.10 / LTCHOF2.50	CHOFirst F2	10 ml / 50 ml	—
LTCHO start	CHOFirst Starter Kit	—	—
FASFM	HybridomaFirst	—	—
TP263	Tumor 263	—	—
CMSF	Cryopreservation Medium, Serum-free	—	—
MFFBS	Cryopreservation Medium with Fetal Bovine Serum	—	—

Product line features

TC100 Insect Medium

Standard basal medium for the culture of insect cells (Spodoptera, Drosophila), including Baculovirus expression systems.

HybridomaFirst

Serum-free medium for maintenance of hybridoma cell lines and production of monoclonal antibodies.

Tumor 263

Specialty medium formulation for specific tumour cell lines.

CHOFirst series

Serum-free, chemically defined media optimised for CHO cell culture and bioproduction; the CHOFirst Starter Kit provides a complete trial set for process development.

Cryopreservation Media

Formulated for controlled-rate freezing and long-term storage of cell lines; available in serum-free and FBS-supplemented versions.

Ordering information

Contact info@ltbiotech.it for volume options and pricing.

Sera

LT Biotech sera are collected and processed under strictly controlled conditions and tested for sterility, mycoplasma, haemoglobin, pH, osmolality, endotoxin, and performance in standard cell proliferation assays. All lots are fully traceable to the country of collection. All sera should be stored at -20°C.

Fetal Bovine Serum

Fetal Bovine Serum (FBS) is the most widely used serum supplement in cell culture, providing growth factors, hormones, proteins, and attachment factors. LT Biotech FBS is available from South American, USA, and Australian origin in standard and specialised preparations. Prices from Distributor Pricelist (valid until Dec 2025).

Product code	Product name	Package	Distributor price, EUR
LTFBS-SA500	Fetal Bovine Serum, South America	500 ml	150.00
LTFBS-SA100	Fetal Bovine Serum, South America	100 ml	33.00
LTFBS-SA10x50	Fetal Bovine Serum, South America	10 × 50 ml	169.00
LTFBS-500	Fetal Bovine Serum PRO, South America	500 ml	131.00
LTFBS-100	Fetal Bovine Serum PRO, South America	100 ml	29.00
LTFBS-10x50	Fetal Bovine Serum PRO, South America	10 × 50 ml	150.00
LTFBS-US500	Fetal Bovine Serum, USA	500 ml	400.00
LTFBS-US100	Fetal Bovine Serum, USA	100 ml	89.00
LTFBS-AUS500	Fetal Bovine Serum, Australia (available on request)	500 ml	on request
LTFBS-AUS100	Fetal Bovine Serum, Australia (available on request)	100 ml	on request
LTFBSBP-500	Fetal Bovine Serum Bioprocess, US Origin	500 ml	419.00
LTFBSBP-100	Fetal Bovine Serum Bioprocess, US Origin	100 ml	93.00

Product code	Product name	Package	Distributor price, EUR
LTFBSx-SA500	FBS Xtra, South America	500 ml	124.00
LTFBSx-SA100	FBS Xtra, South America	100 ml	28.00
LTFBSx-SA10x50	FBS Xtra, South America	10 × 50 ml	143.00
LTFBSx-500	FBS Xtra, USA	500 ml	275.00
LTFBSx-100	FBS Xtra, USA	100 ml	61.00
LTFBSx-AU500	FBS Xtra, Australia	500 ml	369.00
LTFBSx-AU100	FBS Xtra, Australia	100 ml	82.00
LTFBS-SA500CS	Fetal Bovine Serum, South America, Charcoal Stripped	500 ml	256.00
LTFBS-SA100CS	Fetal Bovine Serum, South America, Charcoal Stripped	100 ml	57.00
LTFBS-SA500De	Fetal Bovine Serum, South America, Delipidated	500 ml	—
LTFBS-SA100De	Fetal Bovine Serum, South America, Delipidated	100 ml	—
LTFBS-SA500Di	Fetal Bovine Serum, South America, Dialysed	500 ml	256.00
LTFBS-SA100Di	Fetal Bovine Serum, South America, Dialysed	100 ml	57.00
LTFBS-SA500CPT	Fetal Bovine Serum, South America, ES Cell Pre-tested	500 ml	161.00
LTFBS-SA100CPT	Fetal Bovine Serum, South America, ES Cell Pre-tested	100 ml	36.00
LTFBS-SA100EX	Fetal Bovine Serum, South America, Exosome Depleted	100 ml	238.00
LTFBS-SA50EX	Fetal Bovine Serum, South America, Exosome Depleted	50 ml	119.00
LTFBS-SA20EX	Fetal Bovine Serum, South America, Exosome Depleted	20 ml	59.00
LTFBS-SA500Ir	Fetal Bovine Serum, South America, Gamma Irradiated	500 ml	186.00
LTFBS-SA100Ir	Fetal Bovine Serum, South America, Gamma Irradiated	100 ml	41.00
LTFBSa-SA500Hi	Fetal Bovine Serum, South America, Heat Inactivated	500 ml	155.00
LTFBSa-SA100Hi	Fetal Bovine Serum, South America, Heat Inactivated	100 ml	35.00

Product code	Product name	Package	Distributor price, EUR
LTFBSa-SA500HI	Fetal Bovine Serum PRO, South America, Heat Inactivated	500 ml	136.00
LTFBSa-SA100HI	Fetal Bovine Serum PRO, South America, Heat Inactivated	100 ml	30.00
LTFBS-US500Hi	Fetal Bovine Serum, USA, Heat Inactivated	500 ml	405.00
LTFBS-US100Hi	Fetal Bovine Serum, USA, Heat Inactivated	100 ml	90.00
LTFBS-SA500IGD	Fetal Bovine Serum, South America, IgG Stripped	500 ml	469.00
LTFBS-SA100IGD	Fetal Bovine Serum, South America, IgG Stripped	100 ml	104.00
LTFBS-SA500LE	Fetal Bovine Serum, South America, Low Endotoxin	500 ml	165.00
LTFBS-SA100LE	Fetal Bovine Serum, South America, Low Endotoxin	100 ml	37.00
LTFBS-SA500TCN	Fetal Bovine Serum, South America, Tetracycline Negative	500 ml	163.00
LTFBS-SA100TCN	Fetal Bovine Serum, South America, Tetracycline Negative	100 ml	36.00

Product line features

Standard FBS (South America)

Multi-lot tested for sterility, mycoplasma, haemoglobin, pH, osmolality, and endotoxin; collected under TSE/BSE-free conditions.

FBS PRO (South America)

Premium-grade FBS with extended performance profiling and enhanced lot-to-lot consistency.

FBS Xtra

Economy-grade FBS with standard quality testing; available from South American, US, and Australian origin.

FBS Bioprocess, US Origin

Processed for bioprocess and GMP-adjacent applications.

Charcoal Stripped

Hormone-depleted; for steroid hormone studies and oestrogen-sensitive cell lines.

Delipidated

Lipid content reduced for applications sensitive to lipid interference.

Dialysed

Low molecular weight components removed; for SILAC and metabolite-labelling experiments.

ES Cell Pre-tested

Validated for maintenance of pluripotency in embryonic stem cell culture.

Exosome Depleted

Ultracentrifuged to remove endogenous exosomes; for exosome biology and cell-derived vesicle studies.

Gamma Irradiated

Inactivated by gamma radiation for enhanced biosafety in BSL-2 and higher applications.

Heat Inactivated

Complement system inactivated at 56°C.

IgG Stripped

Immunoglobulin fraction removed for immunofluorescence and antibody-based assay applications.

Low Endotoxin

Endotoxin content <1 EU/ml for endotoxin-sensitive applications.

Tetracycline Negative

Confirmed negative for tetracycline; required for Tet-On/Tet-Off inducible expression systems.

FBS USA

Collected under USDA permit conditions.

FBS Australia

Collected under AQIS conditions; available on request.

Storage

All FBS products at -20°C.

Ordering information

Standard FBS and most treated variants available in 100 ml and 500 ml. South American FBS also in 10 x 50 ml. Exosome Depleted in 20 ml, 50 ml, and 100 ml. Australian-origin FBS on request. Contact info@ltbiotech.it for reserve lots and bulk pricing.

Other Bovine Sera

Product code	Product name	Package	Distributor price, EUR
LTNBCS1000	Newborn Calf Serum	1000 ml	74.50
LTNBCS500	Newborn Calf Serum	500 ml	48.50
LTNBCS100	Newborn Calf Serum	100 ml	12.40
LTNBCs500Hi	Newborn Calf Serum, Heat Inactivated	500 ml	54.90
LTNBCs100Hi	Newborn Calf Serum, Heat Inactivated	100 ml	13.50
LTCS1000	Calf Serum	1000 ml	71.10
LTCS500	Calf Serum	500 ml	42.00
LTCS100	Calf Serum	100 ml	9.80
LTABS1000	Adult Bovine Serum	1000 ml	64.80
LTABS500	Adult Bovine Serum	500 ml	38.90
LTABS100	Adult Bovine Serum	100 ml	7.40

Product line features

Newborn Calf Serum

Collected from calves within 24 hours of birth; tested for performance, sterility, and mycoplasma; heat-inactivated version available in 100 ml and 500 ml.

Adult Bovine Serum

Cost-effective serum for general cell culture; available in 100 ml, 500 ml, and 1 L.

Calf Serum

Collected from calves aged 1–3 weeks; suitable as a cost-effective alternative to FBS in standard applications; available in 100 ml, 500 ml, and 1 L.

Storage

All bovine sera at -20°C.

Ordering information

Contact info@ltbiotech.it for reserve lots and bulk volumes.

Other Animal Sera

Product code	Product name	Package	Distributor price, EUR
LTFHS500	Donor Horse Serum	500 ml	49.30
LTFHS100	Donor Horse Serum	100 ml	11.30
LTHS500	Horse Serum	500 ml	45.30
LTHS100	Horse Serum	100 ml	10.40
LTGS500	Goat Serum	500 ml	66.50
LTGS100	Goat Serum	100 ml	20.30
LTCh500	Chicken Serum	500 ml	on request
LTCh100	Chicken Serum	100 ml	on request
LTMS100	Mouse Serum	100 ml	339.40
LTRaS100	Rat Serum	100 ml	339.40
LTPS500	Porcine Serum	500 ml	51.90
LTPS100	Porcine Serum	100 ml	14.00
LTRS100	Rabbit Serum	100 ml	24.10
LTSHP500	Sheep Serum	500 ml	on request
LTSHP100	Sheep Serum	100 ml	on request
LTHSAB1	Human Serum, Type AB	100 ml	173.50
LTHSC1	Human Serum, Converted	100 ml	150.50

Product line features

Donor Horse Serum and Horse Serum

- Widely used for maintenance of haematopoietic and neural cell lines
- Available in 100 ml and 500 ml

Goat, Chicken, Mouse, Rabbit, Rat, and Sheep Sera

- Tested for sterility and mycoplasma
- Suitable for use as blocking reagents in immunoassays or as defined culture supplements

Storage

All animal sera at -20°C.

Human Serum Type AB

- Pooled from AB blood group donors
- Suitable for human cell culture and immunological applications
- Supplied per vial

Human Serum, Converted

- Suitable for applications requiring non-immunoglobulin-rich human serum

Ordering information

Most animal sera available in 100 ml and 500 ml. Human Serum Type AB, Converted, and rodent sera supplied in 100 ml. Contact info@ltbiotech.it for volume requirements.

Buffers and Balanced Salt Solutions

LT Biotech physiological buffers and balanced salt solutions are sterile-filtered and tested for osmolality, pH, and endotoxin. They are designed for cell washing, dilution, and as base components for cell culture preparation.

Product code	Product name	Package	Distributor price, EUR
LTBSS06	Dulbecco's PBS (1x), w/o Ca & Mg, w/o Phenol Red	500 ml	7.30
LTBSS07	Dulbecco's PBS (1x), with Ca & Mg, w/o Phenol Red	500 ml	7.30
LTBSS05	Dulbecco's PBS (10x), w/o Ca & Mg, w/o Phenol Red	500 ml	15.40
LTBP10	Dulbecco's PBS Powder, w/o Ca & Mg, w/o Phenol Red	for 10 L	13.40
LTBP50	Dulbecco's PBS Powder, w/o Ca & Mg, w/o Phenol Red	for 50 L	57.10
LTBSS01	Hanks' Balanced Salts, with Ca & Mg, w/o Phenol Red	500 ml	7.30
LTBSS02	Hanks' Balanced Salts, w/o Ca & Mg, w/o Phenol Red	500 ml	7.30
LTBSS03	Hanks' Balanced Salts, w/o Ca & Mg, with Phenol Red	500 ml	8.30
LTBSS04	HEPES Buffer Solution (1 M)	100 ml	16.30
LTBW1000	Water, suitable for cell culture, sterile-filtered	1000 ml	11.30
LTBW5000	Water, suitable for cell culture, sterile-filtered	500 ml	8.60

Product line features

Dulbecco's PBS (DPBS)

Calcium- and magnesium-free formulation for cell washing and enzyme-mediated detachment protocols; Ca/Mg-containing version available for applications requiring divalent cations.

DPBS 10×

Concentrated stock for in-house dilution.

Cell Culture Water

Endotoxin-tested, sterile-filtered water for reconstitution of powder media and buffer preparation; now available in 500 ml and 1000 ml.

Storage

+2 to +25°C; LTBSS01 and LTBSS07 — never below +2°C.

DPBS Powder (LTBP50 / LTBP10)

For in-house preparation of large volumes; sodium bicarbonate not included.

Hanks' Balanced Salts (HBSS)

Bicarbonate-free isotonic salt solution; available in three variants covering presence or absence of Ca/Mg and Phenol Red.

HEPES Buffer Solution (1 M)

Stock for supplementing media requiring CO₂-independent pH buffering; used at 10–25 mM final concentration.

Ordering information

Contact info@ltbiotech.it for available volumes and bulk pricing.

Cell Culture Additives

Antibiotics, Antimycotics, and Mycoplasma Control

Product code	Product name	Package	Distributor price, EUR
LTAAnB-L04	Penicillin/Streptomycin (100x)	100 ml	8.10
LTAAnB-L05	Penicillin/Streptomycin (100x), with L-Glutamine	100 ml	14.90
LTAAnB-L06	Antibiotic/Antimycotic Solution (100x)	100 ml	24.40
LTAAnB-L01	Amphotericin B Solution (100x)	100 ml	24.40
LTAAnB-L02	Gentamicin Solution (10 mg/ml)	100 ml	43.10
LTAAnB-L03	MycoXpert, Mycoplasma Removal Reagent (50x)	100 ml	94.40

Product line features

Penicillin/Streptomycin (100x)

10,000 IU/ml penicillin and 10,000 µg/ml streptomycin; broad-spectrum combination for routine contamination prevention; also available in a combined formulation with 200 mM L-Glutamine.

Antibiotic/Antimycotic (100x)

Triple combination of penicillin, streptomycin, and amphotericin B for protection against bacteria and fungi.

Amphotericin B (100x)

250 µg/ml antifungal solution for primary culture and high-risk applications.

Gentamicin

Aminoglycoside antibiotic providing broad coverage against gram-negative and gram-positive bacteria.

MycoXpert (50x)

Mycoplasma removal reagent for decontaminating chronically infected cell cultures; for research use only.

Storage

Penicillin/Streptomycin, Antibiotic/Antimycotic, Amphotericin B, and MycoXpert at -20°C; Gentamicin at +2 to +8°C.

Ordering information

All supplied in 100 ml. Contact info@ltbiotech.it.

Supplements and Growth Factors

Product code	Product name	Package	Distributor price, EUR
LTGA02	L-Glutamine (200 mM)	100 ml	7.80
LTGA04	Stable Glutamine (200 mM)	100 ml	14.90
LTGA01	Sodium Pyruvate (100 mM)	100 ml	8.50
LTGA03	MEM Nonessential Amino Acids (100x)	100 ml	11.50
LTGA07	ITS (100x), Insulin, Transferrin, Selenium	10 ml	30.30
LTGA08	N2 Supplement (100x), Serum-free	5 ml	54.80
LTGA05	NCS21 Supplement (50x), Serum-free	10 ml	62.10
LTGA05/2	NCS21 Supplement (50x) w/o Vitamin A, Serum-free	10 ml	68.10
LTGA06	Hybridoma Supplement, Serum-free	50 ml	109.50
HRINS5ML	Insulin Human Recombinant Solution (5 mg/ml)	5 ml	40.10

Product line features

L-Glutamine (200 mM)

Essential nitrogen source; add at 1–4 mM final concentration.

Stable Glutamine (200 mM)

L-alanyl-L-glutamine dipeptide; GlutaMAX-equivalent; does not degrade at 37°C.

Sodium Pyruvate (100 mM)

Energy source supplement for pyruvate-auxotrophic cell lines and formulations requiring exogenous pyruvate.

MEM NEAA (100×)

Standardised non-essential amino acid mixture for addition to MEM and other basal media.

Storage

L-Glutamine, Stable Glutamine, NCS21 (both variants), Hybridoma Supplement, N2 at -20°C; Sodium Pyruvate, MEM NEAA, ITS, Insulin at +2 to +8°C.

ITS (100×)

Insulin, transferrin, and selenium supplement for serum reduction or serum-free culture.

N2 Supplement (100×)

Defined supplement for serum-free culture of neurons and neural stem cells.

NCS21 Supplement (50×)

Serum-free supplement for use as a serum replacement in standard mammalian cell culture; also available without Vitamin A (LTGA05/2).

Hybridoma Supplement

Serum-free supplement for hybridoma maintenance and monoclonal antibody production.

Human Recombinant Insulin (5 mg/ml)

For defined serum-free formulations requiring insulin supplementation.

Ordering information

Contact info@ltbiotech.it.

Cell Detachment Reagents

Product code	Product name	Package	Distributor price, EUR
LTDDe01	Accutase Cell Detachment Solution	100 ml	65.30
LTDDe04	Trypsin (0.25%) in DPBS (1x)	100 ml	10.10
LTDDe05	Trypsin (2.5%) in DPBS (10x)	100 ml	16.30
LTDDe02	Trypsin-EDTA (0.05%) in DPBS (1x)	100 ml	7.50
LTDDe03	Trypsin-EDTA (0.5%) in DPBS (10x)	100 ml	15.60
TRED2-100ML	Trypsin-EDTA (0.05%) in HBSS (1x), with Phenol Red	100 ml	9.80
TRED1-100ML	Trypsin-EDTA (0.25%) in HBSS (1x), with Phenol Red	100 ml	9.80
AccuTop	Accumax Cell Dissociation Solution	50 ml	65.00

Product line features

Accutase

Gentle enzymatic dissociation reagent containing proteases and collagenolytic enzymes; suitable for sensitive primary cells, stem cells, and anchorage-dependent lines requiring mild detachment.

Trypsin (0.25%)

Porcine-derived trypsin in DPBS; ready-to-use for standard cell passaging.

Trypsin (2.5%)

10x concentrate in DPBS for preparation of working solutions at custom dilutions.

Trypsin-EDTA

Combined protease and chelating agent for efficient detachment of adherent cells; available in 0.05% and 0.5% trypsin concentrations in DPBS, and in 0.05% and 0.25% in HBSS with phenol red indicator.

Accumax Cell Dissociation Solution

Gentle non-enzymatic dissociation reagent for sensitive cell types.

Storage

All trypsin and detachment reagents at -20°C.

Ordering information

All supplied in 100 ml except Accumax (50 ml). Contact info@ltbiotech.it.

Selection Agents, Specialty Reagents, and Specialty Media

Product code	Product name	Package	Distributor price, EUR
LTTran05	G-418 Sulfate, Powder	5 g	95.90
LTTran06	G-418 Sulfate, Powder	10 g	186.30
LTTran04	G-418 Sulfate, Solution, 100% Activity (50 mg/ml)	10 ml	21.30
LTTran03	G-418 Sulfate, Solution, 100% Activity (50 mg/ml)	100 ml	164.90
LTTran07	Hygromycin B, Solution (50 mg/ml)	10 ml	66.50
LTSMC10	Colcemid Solution (10 µg/ml) in DPBS — CE marked	10 ml	10.90
LTSMC20	Phytohemagglutinin (PHA-M) — CE marked	10 ml	39.90
LTPC100ML	Potassium Chloride Solution (0.075 M), sterile-filtered	100 ml	9.30
GLUS50ML	Glucose Solution (250 g/L)	50 ml	24.60
LTSM500	Lymphocyte Separation Medium, Density 1.077 g/ml	500 ml	53.30
LTSM100	Lymphocyte Separation Medium, Density 1.077 g/ml	100 ml	20.90
LTSAV50	Bovine Serum Albumin, Standard Grade, pH 7.0	50 g	55.00
LTSAV100	Bovine Serum Albumin, Standard Grade, pH 7.0	100 g	94.10
LTSAV500	Bovine Serum Albumin, Standard Grade, pH 7.0	500 g	390.80
LTSAAF50	Bovine Serum Albumin, Fatty Acid Free, Origin USA	50 g	141.50
LTSAAF100	Bovine Serum Albumin, Fatty Acid Free, Origin USA	100 g	249.60
LTSA PF50	Bovine Serum Albumin, Fatty Acid Free, Origin USA	50 g	98.10
LTSA PF100	Bovine Serum Albumin, Protease Free, Origin USA	100 g	174.80

Product code	Product name	Package	Distributor price, EUR
AccuTop	Accumax Cell Dissociation Solution	50 ml	65.00
AF500ML	AmnioPrime, Complete Medium for Cultivation of Amnion and Chorionic Villi Cells, CE marked	500 ml	158.10
AF100ML	AmnioPrime, Complete Medium for Cultivation of Amnion and Chorionic Villi Cells, CE marked	100 ml	33.30
LF100ML	LymphoPrime, Complete Medium for Cultivation of Peripheral Blood Lymphocytes, CE marked	100 ml	39.90
LF2100ML	LymphoPrime 2, Complete Medium for Cultivation of Peripheral Blood Lymphocytes, CE marked	100 ml	31.60
MF100ML	MarrowPrime, Complete Medium for Bone Marrow Cells, CE marked	100 ml	64.90
MF2100ML	MarrowPrime 2, Complete Medium for Bone Marrow Cells	100 ml	53.30
LVTM1000	Viral Transport Medium, Formula CDC	1 ml fill	—
LVTMR1000	Viral Transport Medium, Formula CDC, with Phenol Red	1 ml fill	—

Product line features

G-418 Sulfate (Geneticin)

Aminoglycoside antibiotic for selection of neomycin-resistance-expressing stable transfectants; available as powder (two sizes) or 50 mg/ml ready-to-use solution (two sizes).

Hygromycin B (50 mg/ml)

For selection of hygromycin-resistance-expressing cell lines.

Colcemid (10 µg/ml)

Metaphase arrest reagent for karyotyping and cytogenetics; CE marked.

Phytohemagglutinin (PHA-M)

Mitogen for stimulation of lymphocyte proliferation; used in chromosome analysis and immune function assays; CE marked.

Potassium Chloride Solution (0.075 M)

Sterile-filtered KCl for hypotonic treatment in chromosomal preparation protocols.

Glucose Solution (250 g/L)

Sterile glucose stock for supplementing defined media.

Lymphocyte Separation Medium (1.077 g/ml)

Density gradient medium for isolation of peripheral blood mononuclear cells; available in 100 ml and 500 ml.

Storage: G-418 Powder and BSA grades at +2 to +8°C; G-418 Solution, Hygromycin B, PHA-M, AmnioPrime, LymphoPrime, MarrowPrime at -20°C; Colcemid, Glucose, Lymphocyte Sep Medium, KCl Solution at +2 to +8°C or +2 to +25°C.

BSA Fatty Acid Free

For preparation of fatty acid-BSA complexes and lipid uptake studies; available in 50 g and 100 g.

BSA Protease Free

For applications where protease activity must be absent; available in 50 g and 100 g.

BSA Standard Grade (pH 7.0)

Cost-effective protein supplement for general blocking and cell culture use; available in 50 g, 100 g, and 500 g.

AmnioPrime, LymphoPrime, LymphoPrime 2, MarrowPrime

CE-marked specialty serum-free media for specific primary cell type applications (cytogenetics, haematology, reproductive diagnostics); previously marketed as AmnioFirst, LymphoFirst, LymphoFirst2, MarrowFirst.

MarrowPrime 2

Second-generation bone marrow cell culture medium.

Viral Transport Medium (CDC formula)

For collection, transport, and short-term storage of clinical samples; supplied in 1 ml fill volume, available with and without phenol red pH indicator.

Ordering information

Contact info@ltbiotech.it for pack sizes, volumes, and pricing on all cell culture additives.

Defoamers

Defoamers are used in bioreactor and large-scale cell culture to control foam formation caused by agitation and sparging. LT Biotech offers six defoamer formulations to address different process conditions and regulatory requirements.

Product code	Product name
LTAFO1	LTAFO1 Defoamer
LTAFO2	LTAFO2 Defoamer
LTAFO3	LTAFO3 Defoamer
LTAFO4	LTAFO4 Defoamer
LTAFO5	LTAFO5 Defoamer
LTAFO6	LTAFO6 Defoamer

Product line features

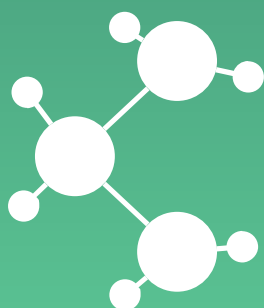
LTAFO1–LTAFO6

A range of defoaming agents for stirred-tank bioreactors and other large-scale culture systems.

Each formulation differs in composition and mechanism of action, enabling selection based on cell type, medium composition, process conditions, and applicable regulatory frameworks

Ordering information

Contact info@ltbiotech.it for pack sizes, volumes, and pricing.



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