



BI
Biological Industries
Culture of Excellence



Classical Media

High performance cell culture media and reagents



Classical Media



Dulbecco's Modified Eagle Medium (DMEM)

DMEM is a modification of Basal Medium Eagle (BME), with a higher concentration of amino acids and vitamins than BME and additional supplemental components. DMEM is one of the most common basal media used in cell culture, and is the basis for many specialty media and serum-free formulations.

Cat. #	Product	Qty
01-050-1A	DMEM, low glucose, no glutamine	500 mL
01-052-1A	DMEM, high glucose	500 mL
01-053-1A	DMEM, high glucose, no glutamine	500 mL
01-055-1A	DMEM, high glucose, no glutamine	500 mL
01-055-4A	DMEM (5X), high glucose, no glutamine	500 mL
01-055-9A	DMEM (2X) high glucose, no glutamine	500 mL
01-056-1A	DMEM, high glucose, no sodium pyruvate	500 mL
01-057-1A	DMEM, no glucose, no glutamine	500 mL
11-050-1N	DMEM, low glucose, powder	1x50 L
11-055-1N	DMEM, high glucose, powder	1x50 L



Minimum Essential Medium (MEM)

MEM was developed by Harry Eagle, and is one of the most widely used basal media for synthetic cell culture media formulations. MEM is a modification of Basal Medium Eagle (BME), containing a higher concentration of essential nutrients than BME. MEM is frequently used to cultivate a variety of cells grown in monolayers.

Cat. #	Product	Qty
01-025-1A	MEM-Eagle, Earle's salts	500 mL
01-025-5A	MEM-Eagle, Earle's salts (10X)	500 mL
01-035-1A	MEM-Eagle, Hanks' salts	500 mL
01-042-1A	MEM-a, no nucleosides, low glucose	500 mL
01-043-1A	MEM-a, no nucleosides, high glucose	500 mL
01-045-1A	MEM for suspension cultures	500 mL
11-025-1N	MEM-Eagle, Earle's salts, powder	1x50 L
11-040-1N	MEM-Eagle, Earle's salts, with NEAA, powder	1x50 L
11-042-1N	MEM-a, low glucose, no nucleosides, powder	1x50 L
11-044-1N	MEM-a, low glucose, nucleosides, powder	1x50 L



RPMI Medium

RPMI 1640 Medium was specifically developed for the long-term culture of blood cells, including normal and abnormal human leukocytes (e.g. neoplastic white blood cells). With the addition of serum, RPMI 1640 is also used as a general culture medium for hybridomas.

Cat. #	Product	Qty
01-100-1A	RPMI 1640 Medium	500 mL
01-101-1A	RPMI 1640 Medium, no glutamine	500 mL
01-103-1A	RPMI 1640 Medium, no glutamine, no phenol red	500 mL
01-104-1A	RPMI 1640 Medium, no glutamine	500 mL
01-106-1A	RPMI 1640 Medium, HEPES	500 mL



Ham's Nutrient Mixtures

Ham's F-10 and F-12 Nutrient Mixtures were originally developed for serum-free culture of CHO cells, and are now standard reagents in a cell culture lab. Ham's F-10 and F-12 are used for a variety of cell culture applications with and without the addition of a serum supplement.

Cat. #	Product	Qty
01-090-1A	F-10 Nutrient Mixture (Ham's)	500 mL
01-090-5A	F-10 Nutrient Mixture (Ham's) (10X)	500 mL
01-925-1B	F-10 Nutrient Mixture (Modified Ham's), with gentamycin	100 mL
01-095-1A	F-12 Nutrient Mixture (Ham's)	500 mL



Other Classical Cell Culture Media

Cat. #	Product	Qty
01-040-1A	MEM-NEAA, Earle's salts, non-essential amino acids	500 mL
01-058-1A	IMDM, HEPES	500 mL
01-059-1A	MCDB-153 (Modified) Medium	500 mL
01-060-5A	MEM (10X) - Glasgow	500 mL
01-170-1A	DMEM/F-12, HEPES	500 mL
01-080-1A	Medium M-199, Earle's salts	500 mL
01-085-1A	Medium M-199, Hanks' salts	500 mL
01-115-1A	Leibovitz L-15 Medium	500 mL
01-075-1A	McCoy's 5A Medium (Modified), no serum	500 mL
01-110-1A	Waymouth's MB 752/1 Medium	500 mL
11-058-1N	IMDM, HEPES, powder	1x50 L
11-080-1N	Medium M-199, Earle's salts, powder	1x50 L
11-090-1N	F-10 Nutrient Mixture (Ham's), powder	1x50 L
11-095-1N	F-12 Nutrient Mixture (Ham's), powder	1x50 L
11-100-1N	RPMI 1640 Medium, powder	1x50 L
11-223-1N	DPBS, powder, no calcium, no magnesium	1x50 L

Salt Solutions

Dulbecco's Phosphate-Buffered Saline (DPBS)

Cat. #	Product	Qty
02-020-1A	DPBS, with calcium and magnesium	500 mL
02-023-1A	DPBS, no calcium, no magnesium	500 mL
02-023-5A	DPBS (10X), no calcium, no magnesium	500 mL



Earle's Balanced Salt Solutions (EBSS)

Cat. #	Product	Qty
02-010-1A	EBSS	500 mL
02-010-5A	EBSS (10X)	500 mL
02-011-1A	EBSS, no phenol red	500 mL



Hank's Balanced Salt Solutions (HBSS)

Cat. #	Product	Qty
02-015-1A	HBSS, calcium, magnesium	500 mL
02-015-5A	HBSS (10X)	500 mL
02-016-1A	HBSS, no Phenol Red	500 mL
02-017-1A	HBSS, no calcium, no magnesium	500 mL
02-018-1A	HBSS, no calcium, no magnesium, no phenol red	500 mL



Other Salt Solutions

Cat. #	Product	Qty
01-919-1A	Gey's Balanced Salt Solution	500 mL
02-045-1A	Alsever's Solution	500 mL



Other Reagents



Antibiotics

Cat. #	Product	Qty
03-028-1B	Amphotericin B Solution	100 mL
03-031-1B	Penicillin-Streptomycin Solution	100 mL
03-035-1B	Gentamycin Sulfate Solution	100 mL
41-506-5	Nystatin	5 g
41-503-5	Gentamycin Sulfate	5 g
41-501-25	Penicillin G Sodium	25 g
41-223-100	L-Cystine	100 g
41-502-100	Streptomycin Sulfate	100 g
41-505-5	Neomycin Sulfate	5 g



Cell Dissociation

Cat. #	Product	Qty
03-045-1B	Trypsin Solution A (0.25%)	100 mL
03-046-1A	Trypsin Solution B (0.25%)	500 mL
03-046-5B	Trypsin Solution B (2.5%) (10X)	100 mL
03-047-1A	Crystalline Trypsin Solution (0.02%)	500 mL
03-048-1C	Soybean Trypsin Inhibitor (50X) 5mg/ml	20 mL
03-050-1A	Trypsin EDTA Solution A (0.25%), EDTA (0.02%)	500 mL
03-051-5B	Trypsin EDTA (0.5%), EDTA 0.2% (10X)	500 mL
03-052-1A	Trypsin EDTA Solution B (0.25%), EDTA (0.05%)	500 mL
03-053-1A	Trypsin EDTA Solution C (0.05%), EDTA (0.02%), phenol red	500 mL
03-054-1A	Trypsin EDTA Solution C (0.05%), EDTA (0.02%)	500 mL
03-071-1B	Cell Dissociation Solution (non-enzymatic)	100 mL
03-073-1B	Accutase Solution	100 mL
03-078-1B	Recombinant Trypsin Solution	100 mL
03-079-1B	Recombinant Trypsin EDTA Solution	100 mL

Attachment Factors

Cat. #	Product	Qty
03-090-1-01	Fibronectin Solution (Bovine), 1mg/ml	1 mL
05-750-1F	Human Fibronectin	1 mL



Other Culture Reagents

Cat. #	Product	Qty
01-326-1B	MEM Vitamin Solution (100X)	100 mL
01-340-1B	MEM Non-Essential Amino Acids Solution (100X)	100 mL
01-343-1D	Nucleosides and Ribonucleosides for MEM-alpha (500X)	100 mL
01-357-1B	Yeastolate Solution (50X)	100 mL
03-010-1B	Bovine Albumin Solution (10%)	100 mL
03-015-1B	EDTA Disodium Salt Solution (0.05% in DPBS)	100 mL
03-020-1A	L-Glutamine Solution (200 mM)	500 mL
03-022-1B	L-Alanyl-L-Glutamine [Stable Glutamine] (200 mM)	100 mL
03-025-1B	HEPES Buffer Solution (1 M)	100 mL
03-040-1A	Sodium Bicarbonate Solution (7.5%)	500 mL
03-042-1B	Sodium Pyruvate Solution, 11.0mg/ml (100 mM)	100 mL
03-055-1A	Water, Cell Culture Grade	500 mL
03-060-1A	SPGA-EDTA Solution	500 mL
03-085-1B	HT Supplement (50X)	100 mL
03-102-1B	Trypan Blue Solution	100 mL
12-009-1H	Phytohemagglutinin-M (PHA-M), Liquid	5 mL
12-004-1D	Colcemid (Demecolcine) Solution	10 mL
20-300-1000	Cell Proliferation Kit	1000 assays
41-122-100	HEPES Buffer Solution	100 g



Fetal Bovine Serum

Cat. #	Product	Qty
04-001-1A-US	Fetal Bovine Serum (FBS), US Origin	500 mL
04-002-1A-US	Fetal Bovine Serum (FBS), US Origin, Qualified for Human Embryonic Stem Cells	500 mL
04-011-1A-US	Fetal Bovine Serum (FBS), US Origin, Dialyzed	500 mL
04-111-1A-US	Fetal Bovine Serum (FBS), US Origin, Gamma-Irradiated	500 mL
04-121-1A-US	Fetal Bovine Serum (FBS), US Origin, Heat-Inactivated	500 mL
04-201-1A-US	Fetal Bovine Serum (FBS), US Origin, Charcoal-Stripped	500 mL
04-222-1A-US	Fetal Bovine Serum (FBS), US Origin, Heat-Inactivated, Qualified for Human Embryonic Stem Cells	500 mL
04-400-1A-US	Fetal Bovine Serum (FBS), US Origin, Qualified for Mesenchymal Stem Cells	500 mL

For an up-to-date product listing including additional products, volumes and pack sizes, please visit www.bioind.com.

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