



BioWhittaker™ Classical Media for Consistent Cell Culture Results



BioWhittaker™ Classical Media

BioWhittaker™ Media and Reagents

- Premium quality The finest workmanship and materials give you confidence in your results
- World-class quality systems Designed to meet even the most rigorous standards of biopharmaceutical customers
- Outstanding selection Hundreds of formulations and packaging options available
- Ultra-pure water Validated water-for-injection (WFI) system meets or exceeds all specifications for both the US and European Pharmacopeia
- Trusted purity USP grade or equivalent chemical components used

Trust BioWhittaker™ quality, as others have for decades. You deserve the best. Order your RPMI, DMEM, MEM, DPBS or other cell culture products today.



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Classical Media

Dulbecco's Modified Eagle's Media (DMEM)

		Without L-glutamine	With Sodium Pyruvate	Without Phenol Red	With HEPES	With 1.0 g/L Glucose	With 4.5 g/L Glucose	Powder	Hybridoma Screened	With UG I*
Cat. No.	Size	≥ 7	≥ v Œ	≥ ₽	≯ I	≥ ⊣ ७	≥ 4 ₪	<u>a</u>	Ξ ω	>
12-614F	500 mL									
12-6140	1 L									
12-604F	500 mL									
12-6040	1 L									
BE12-604F/U1	500 mL									
12-914F	500 mL									
12-917F	500 mL									
12-707F	500 mL									
12-708F	500 mL									
12-709F	500 mL									
12-733F	500 mL									
12-7330	1 L									
12-741F	500 mL									

^{*} With UltraGlutamine I

DMEM is used in a wide range of mammalian cell culture applications. The high glucose version is well suited to high density suspension culture. The low glucose formula is used for adherent dependent cells.

Iscove's Modified Dulbecco's Medium (IMDM)

		Without L-glutamine	With HEPES	Hybridoma Screened	Powder
Cat. No.	Size				
12-722F	500 mL				
12-7220	1 L				
12-726F	500 mL				
12-7260	1 L				
12-915F	500 mL				

 ${\tt IMDM}\ is\ suitable\ for\ fast\ growing\ cells.\ All\ formulas\ contain\ HEPES\ for\ added\ buffering.$

DMEM:F12

		Without L-glutamine	With HEPES	With 3.151 g/L Glucose	With UG I*	Powder
Cat. no.	Size					
12-719F	500 mL					
12-7190	1 L					
BE04-687Q	1 L					
BE04-687F/U1	500 mL					

^{*} With UltraGlutamine I

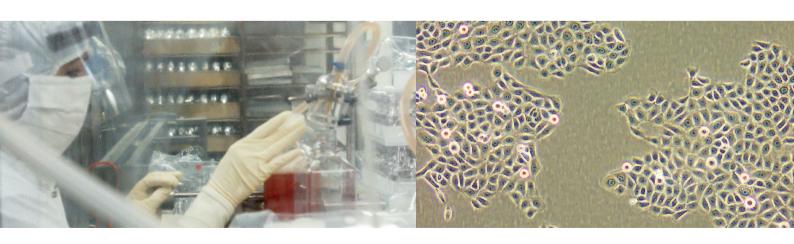
DMEM:F12 combines the richness of F12 with the higher component concentrations of DMEM. This media is well suited for clonal density cultures.

Minimum Essential Media – Eagle (MEM Eagle) (E-MEM)

		With L-glutamine	With Sodium Pyruvate	Without Phenol Red	With HEPES	With HBSS	With EBSS	Powder	With NEAA	With Pen-strep- amph B	Without Na- bicarbonate	Without Calcium	With UG I*	With Nucleosides
Cat. No.	Size													
12-169F (Alpha)	500 mL													
BE02-002F	500 mL													
12-611F	500 mL													
12-6110	1 L													
12-125F	500 mL													
12-1250	1 L													
12-662F	500 mL													
12-6620	1 L													
12-136F	500 mL													
12-1360	1 L													
12-736E	100 mL													
12-736F	500 mL													
12-684F (10x)	500 mL													
12-668E (2x)	100 mL													
06-174G	450 mL													
12-127F	500 mL													
12-137F	500 mL													
04-7190 (Joklik's)	1 L													

^{*} With UltraGlutamine I

Minimum essential media (E-MEM) is suitable for a diverse spectrum of mammalian cell types. It is available with either Hanks' or Earle's salts. MEM-Hanks' (12-127F or 12-137F) does not require a CO₂ enriched atmosphere. Joklik's modification is intended for suspension culture.



Insect Media

		With L-glutamine	With FBS	With Yeastolate	With Lactalbumin Hydrolysate	With Gentamicin
Cat. No.	Size					
Grace's Inse	ct Media					
04-457F	500 mL					
04-649F	500 mL					
Schneider's	Drosophila M	ledium				
04-3510	1 L					
TC-100 Inse	ct Medium					
BE02-011F	500 mL					

Medium 199

		With L-glutamine	With HEPES	With HBSS	With EBSS	With 1.4 g/L Na-bicarbonate	With 2.2 g/L Na-bicarbonate
Cat. No.	Size						
12-117F	500 mL						
12-1170	1 L						
12-118F	500 mL						
12-119F	500 mL						
12-109F	500 mL						

Medium 199 is formulated for chick embryo fibroblast culture. These four formulations require a $\rm CO_2$ enriched atmosphere.

RPMI 1640

		With Lglutamine	Without Phenol Red	With HEPES	Powder	With Penicillin - Streptomycin	Without Na-bicarbonate	With MOPS Buffer	With Ultra- Glutamine I	Without D-glucose
Cat. No.	Size									
12-702F	500 mL									
12-7020	1 L									
BE12-702F/U1	500 mL									
12-167F	500 mL									
12-1670	1 L									
12-115F	500 mL									
12-1150	1 L									
04-525F	500 mL									
12-918F	500 mL									
09-774E	100 mL									
09-774F	500 mL									
BE12-752F	500 mL									

RPMI is a general purpose media with a broad range of applications for mammalian cells, especially hematopoietic cells. RPMI with MOPS (04-525F) is for certain mycological assays.



Other Classical Media

Cat. No.	Size	Comments
Basal Mediu	ım Eagle (BME)	
12-132A	Cryoprotective medium without L-glutamine, with DMSO, 100 mL	A minimal medium suitable for a variety of cell types, it is a historical precursor to
12-105F	With EBSS, without L-glutamine, 500 mL	minimum essential media (MEM)
Glasgow Mir	nimum Essential Medium (GMEM)	
12-739F	With L-glutamine, 500 mL	Designed to support BHK-21 cells
Ham's F-10	Medium	
12-618F	With L-glutamine, 500 mL	Developed for low density (clonal) growth of near-diploid CHO cells
BE02-014F	With UltraGlutamine, without thymidine, 500 mL	Developed for ³ H-thymidine incorporation assays.
Ham's F-12	Medium	
12-615F	With L-glutamine, 500 mL	Developed for low density (clonal) growth of CHO cells
L-15 (Leibov	vitz) Medium	
12-700F	Without L-glutamine, 500 mL	Developed for fast growing tumor cells, this formula does not require a CO ₂
12-7000	Without L-glutamine, 1L	enriched atmosphere. The bicarbonate-free medium is buffered with elevated levels of amino acids.
McCoy's 5A	Medium	
12-688F	With L-glutamine, 500 mL	
12-168F	With L-glutamine and HEPES, 500 mL	Designed for human lymphocyte culture
NCTC-109		
12-923E	With EBSS and L-glutamine, 100 mL	A complex formula used to supplement hybridoma medium

Reagents

Dulbecco's Phosphate Buffered Saline

		Without Phenol Red	With Calcium and Magnesium Without Calcium or Magnesium	With Glucose	With Sodium Pyruvate	Powder
Cat. No.	Size					
17-513F	500 mL					
17-5130	1 L					
17-512F	500 mL					
17-5120	1 L					
04-4790	1 L					
17-515F	500 mL (10X)					
17-5150	1 L (10X)					

Hanks' BSS (1X)

		With Phenol Red	Without Phenol Red	With Calcium and Magnesium	Without Calcium or Magnesium
Cat. No.	Size				
10-508F	500 mL				
10-5080	1 L				
10-543F	500 mL				
10-5430	1 L				
10-527F	500 mL				
10-547F	500 mL				
04-3150	1 L				



Buffered saline

		Without Phenol Red	Without Calcium or Magnesium	With HEPES			
Cat. No.	Size						
Phosphate Buff	Phosphate Buffered Saline						
17-516F	500 mL						
17-5160	1 L						
17-5170	1 L						
UltraSaline A							
12-747F	500 mL						

Penicillin-Streptomycin Mixtures

		5,000 Units Penicilin – 5,000 µg Streptomycin	10,000 Units Penicilin – 10,000 µg Streptomycin	20,000 Units Penicillin – 20,000 µg Streptomycin	25,000 Units Penicillin – 25,000 µg Streptomycin	25 µg/mL Amphotericin B	With Lglutamine
Cat. No.	Size						
17-603E	100 mL						
17-602E	100 mL						_
17-602F	500 mL						
09-757F	500 mL						
17-745H	20 mL						
17-745E	100 mL						

Description	Cat. No.	Size
L-glutamine (200 mM)		
	17-605C	50 mL
	17-605E	100 mL
	17-605F	500 mL
(Hybridoma screened)	17-905C	50 mL
Water for Cell Culture Use		
	17-724F	500 mL
	17-7240	1 L
	08-199F	20 L
(Flexible packaging)	08-199E	200 L
Supplements		
Insulin, transferrin, selenium (ITS) (500X)	17-838Z	5 mL
Insulin, transferrin, ethanolamine, selenium (ITES) (500X)	17-839Z	5 mL
MEM Eagle non-essential amino acid solution, 10 mM (100X)	13-114E	100 mL
MEM Eagle vitamin mixture (100X)	13-607C	50 mL

Description	Cat. No.	Size
Buffers and Reagents		
ACK lysing buffer (1X)	10-548E	100 mL
Dextose-gelatin-veronal (DGV)	10-539B	500 mL
	17-737E	100 mL
HEPES buffer (1M), in normal saline	17-737F	500 mL
Veronal buffer (5X)	12-624E	100 mL
Trypan blue 0.4% solution	17-942E	100 mL
Lymphocyte separation medium 1.077	17-829E	100 mL
	17-829F	500 mL
Sodium pyruvate solution (100mM)	13-115E	100 mL
Sodium bicarbonate, 7.5%	17-613E	100 mL
Cell Harvesting Reagents		
Trypsin 1:250 (10X) 2.5% in Hanks' BSS without calcium or magnesium	17-160E	100 mL
	17-160F	500 mL
Trypsin Versene® (EDTA) mixture (1X)	17-161F	500 mL
Trypsin Versene® (EDTA) mixture (10x)	BE02-007E	100 mL
Versene® (EDTA) 0.02%	17-711E	100 mL
Antibiotics/Antimycotics		
Amphotericin B (250 μg/mL)	17-836R	20 mL
	17-836E	100 mL
Gentamicin sulfate 50 mg/mL, screw cap vial	17-518Z	1 X 10 mL
	17-518L	10 X 10 mL
Gentamicin sulfate 50 mg/mL, crimp top vial	17-528Z	1 X 10 mL
	17-519Z	1 X 10 mL
Gentamicin sulfate 10 mg/mL, screw cap vial	17-519L	10 X 10 mL
Freezing Medium		
Cryoprotective Freezing Medium	12-132A	100 mL
ProFreeze™CD (2x) Freeze Medium- Chemically Defined	12-769E	100 mL
Serum Alternative		
HL-1™ Fetal Bovine Serum Substitute (100x) - Chemically Defined	77227	10 mL



Contact Information

North America

Customer Service: + 1 800 638 8174 (toll free)

order.us@lonza.com

Scientific Support: + 1 800 521 0390 (toll free)

scientific.support@lonza.com

Europe

Customer Service: + 32 87 321 611

order.europe@lonza.com

Scientific Support: + 32 87 321 611 scientific.support.eu@lonza.com

International

Singapore

Contact your local Lonza distributor
Customer Service: +1 301 898 7025
Fax: +1 301 845 8291
scientific.support@lonza.com

International Offices

Australia + 61 3 9550 0883 Belgium + 32 87 321 611 Brazil + 55 11 2069 8800 France 0800 91 19 81 (toll free) 0800 182 52 87 (toll free) Germany India + 91 22 4342 4000 + 81 3 6264 0660 Japan Luxemburg + 32 87 321 611

The Netherlands 0800 022 4525 (toll free)
United Kingdom 0808 234 97 88 (toll free)

+ 65 6521 4379

Lonza Cologne GmbH - 50829 Cologne Germany

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