

BioWhittaker™ Classical Media for Consistent Cell Culture Results



BioWhittaker™ Classical Media
for Cell Culture



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.



Contents

Classical Media 4–7

Reagents 8–10

Classical Media

Dulbecco's Modified Eagle's Media (DMEM)

Cat. No.	Size	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*
12-614F	500 mL	■	■				■			
12-614Q	1 L	■	■				■			
12-604F	500 mL		■				■			
12-604Q	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	■					■			
12-733Q	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)

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

IMDM is suitable for fast growing cells. All formulas contain HEPES for added buffering.

DMEM:F12

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

* With UltraGlutamine I

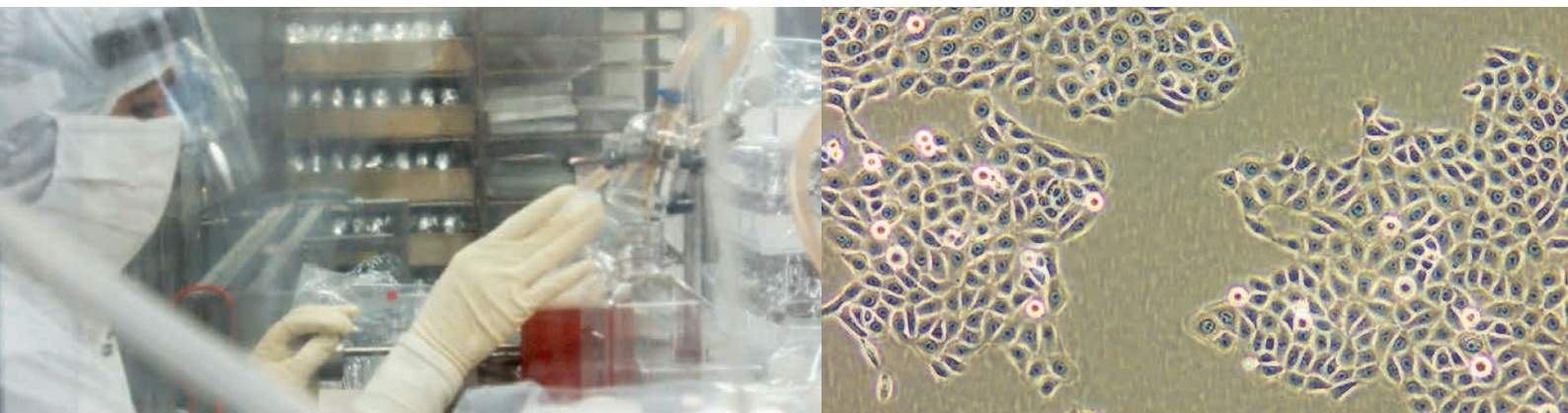
DMEM:F12 combines the richness of F12 with the higher component concentrations of DMEM. This media is well suited for clonal density cultures.

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

Cat. No.	Size	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
12-169F (Alpha)	500 mL		■				■		■					
BE02-002F	500 mL		■				■		■				■	■
12-611F	500 mL	■					■							
12-611Q	1 L	■					■							
12-125F	500 mL						■							
12-125Q	1 L						■							
12-662F	500 mL		■				■		■					
12-662Q	1 L		■				■		■					
12-136F	500 mL				■		■							
12-136Q	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				■	■								
04-719Q (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

Cat. No.	Size	With L-glutamine	With FBS	With Yeastolate	With Lactalbumin Hydrolysate	With Gentamicin
Grace's Insect Media						
04-457F	500 mL	■				
04-5010	1 L	■	■	■	■	■
04-649F	500 mL	■		■	■	■
Schneider's Drosophila Medium						
04-3510	1 L	■		■		
TC-100 Insect Medium						
BE02-011F	500 mL	■				

RPMI 1640

Cat. No.	Size	With L-glutamine	Without Phenol Red	With HEPES	Powder	With Penicillin - Streptomycin	Without Na-bicarbonate	With MOPS Buffer	With Ultra-Glutamine I	Without D-glucose
12-702F	500 mL	■								
12-7020	1 L	■								
BE12-702F/U1	500 mL								■	
12-167F	500 mL									
12-1670	1 L									
BE12-115E	100 mL	■		■						
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.

Medium 199

Cat. No.	Size	With L-glutamine	With HEPES	With HBSS	With EBSS	With 1.4 g/L Na-bicarbonate	With 2.2 g/L Na-bicarbonate
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 CO₂ enriched atmosphere.



Other Classical Media

Cat. No.	Size	Comments
Basal Medium 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 minimum essential media (MEM)
12-105F	With EBSS, without L-glutamine, 500 mL	
Glasgow Minimum 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	
Ham's F-12 Medium		
12-615F	With L-glutamine, 500 mL	Developed for low density (clonal) growth of CHO cells
L-15 (Leibovitz) Medium		
12-700F	Without L-glutamine, 500 mL	Developed for fast growing tumor cells, this formula does not require a CO ₂ enriched atmosphere. The bicarbonate-free medium is buffered with elevated levels of amino acids.
12-700Q	Without L-glutamine, 1L	
McCoy's 5A Medium		
12-688F	With L-glutamine, 500 mL	Designed for human lymphocyte culture
12-168F	With L-glutamine and HEPES, 500 mL	
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

Cat. No.	Size	Without Phenol Red	With Calcium and Magnesium	Without Calcium or Magnesium	With Glucose	With Sodium Pyruvate	Powder
17-513F	500 mL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17-5130	1 L	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17-512F	500 mL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17-5120	1 L	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
04-4790	1 L	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17-515F	500 mL (10X)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17-5150	1 L (10X)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Hanks' BSS (1X)

Cat. No.	Size	With Phenol Red	Without Phenol Red	With Calcium and Magnesium	Without Calcium or Magnesium
10-508F	500 mL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10-5080	1 L	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10-543F	500 mL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10-5430	1 L	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10-527F	500 mL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10-547F	500 mL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
04-3150	1 L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Buffered saline

Cat. No.	Size	Without Phenol Red	Without Calcium or Magnesium	With HEPES
Phosphate Buffered Saline				
17-516F	500 mL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17-5160	1 L	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17-5170	1 L	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
UltraSaline A				
12-747F	500 mL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



Penicillin-Streptomycin Mixtures

Cat. No.	Size	5,000 Units Penicillin – 5,000 µg Streptomycin		10,000 Units Penicillin – 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 L-glutamine	
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
	17-724Q	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
Dextrose-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
Lymphocyte separation medium 1.077	17-829F	500 mL
Sodium pyruvate solution (100mM)	13-115E	100 mL
Sodium bicarbonate, 7.5%	17-613E	100 mL
Cell Harvesting Reagents		
	17-160E	100 mL
Trypsin 1:250 (10X) 2.5% in Hanks' BSS without calcium or magnesium	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		
	17-836R	20 mL
Amphotericin B (250 µg/mL)	17-836E	100 mL
	17-518Z	1 X 10 mL
Gentamicin sulfate 50 mg/mL, screw cap vial	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



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