

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
- **Performance tested** — Growth promotion testing conducted on three different cell types
- **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™ Media 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)

Cat. No.	Size	Without L-glutamine	With L-glutamine	Without Sodium Pyruvate	Without Phenol red	With HEPES	With 1.0 g/L Glucose	With 4.5 g/L Glucose	Hybridoma Screened
12001-574	500 mL	■						■	
12001-576	1 L	■						■	
12001-566	500 mL		■					■	
12001-568	1 L		■					■	
12001-344	500 mL	■						■	■
12001-630	500 mL	■			■			■	
12001-594	500 mL	■					■		
12001-596	500 mL	■				■	■		
12001-598	500 mL	■				■		■	
12001-624	500 mL	■		■				■	
12001-626	1 L	■		■				■	
12001-000	500 mL		■	■				■	

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 L-glutamine	With HEPES	Hybridoma Screened
12001-604	500 mL		■	■	
12001-606	1 L		■	■	
12001-612	500 mL	■		■	
12001-614	1 L	■		■	
12001-346	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
12001-600	500 mL	■	■	■
12001-602	1 L	■	■	■

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	Without L-glutamine	With L-glutamine	Without Sodium Pyruvate	Without Phenol Red	With HEPES	With HBSS	With EBSS	With NEAA	With Pen-strep-amph B	Without Na-Bicarbonate	Without Calcium
12001-564 (Alpha)	500 mL	■						■				
12001-570	500 mL		■					■				
12001-572	1 L		■					■				
12001-544	500 mL	■						■				
12001-546	1 L	■						■				
12001-582	500 mL	■		■				■	■			
12002-072	1 L	■		■				■	■			
12001-552	500 mL	■				■		■				
12001-554	1 L	■				■		■				
12001-338	100 mL		■			■		■	■	■		
12002-018	500 mL		■			■		■	■	■		
12001-584 (10X)	500 mL	■						■			■	
12002-016 (2X)	100 mL	■			■			■				
12001-514	450 mL		■					■	■			■
12001-548	500 mL	■					■					
12001-556	500 mL	■				■	■					
12002-002 (Joklik's)	1 L		■									■

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' (12001-548 or 12001-556) does not require a CO₂ enriched atmosphere. Joklik's modification is intended for suspension culture.

Insect Media

Cat. No.	Size	Without L-glutamine	With FBS	With Yeastolate	With Lactalbumin Hydrolysate	With Gentamicin
Grace's Insect Media						
12001-992	500 mL	■				
12001-322	1 L	■	■	■	■	■
Schneider's Drosophila Medium						
12001-982	1 L	■				

Medium 199 is formulated for chick embryo fibroblast culture. These four formulations require a CO₂ enriched atmosphere.

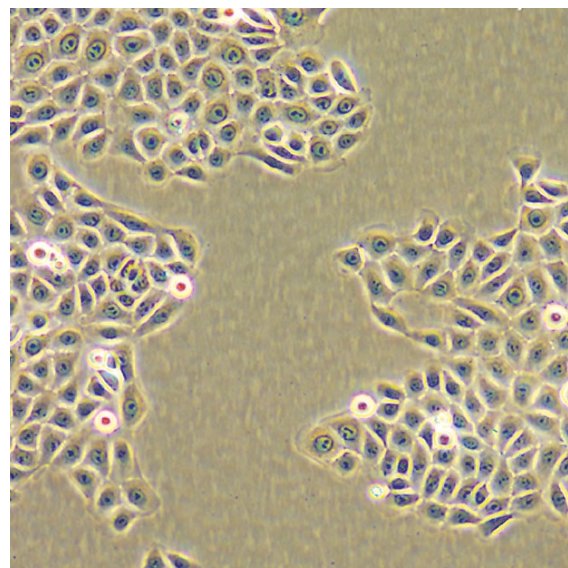
Medium 199

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
12001-538	500 mL	■	■		■		■
12001-540	1 L	■	■		■		■
12001-542	500 mL	■	■	■		■	
12001-328	500 mL	■			■		■
12001-326	500 mL	■		■		■	

RPMI 1640

Cat. No.	Size	Without L-glutamine	With L-glutamine	Without Phenol Red	With HEPES	With penicillin - Streptomycin	Without Na-bicarbonate	With MOPS buffer
12001-590	500 mL		■					
12001-592	1 L		■					
12001-558	500 mL	■						
12001-560	1 L	■						
12001-534	500 mL		■		■			
12001-536	1 L		■		■			
12001-996	500 mL		■				■	■
12001-632	500 mL	■		■				
12002-012	100 mL		■		■	■		
12002-014	500 mL		■		■	■		

RPMI is a general purpose media with a broad range of applications for mammalian cells, especially hematopoietic cells. RPMI with MOPS (12001-996) is for certain mycological assays.



Other Classical Media

Cat. No.	Description / Size	Comments
Basal Medium Eagle (BME)		
12001-550	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)
12001-532	With EBSS, without L-glutamine, 500 mL	
Glasgow Minimum Essential Medium (GMEM)		
CA12002-020	With L-glutamine, 500 mL	Designed to support BHK-21 cells
Ham's F-10 Medium		
12001-330	With L-glutamine, 500 mL	Developed for low density (clonal) growth of near-diploid CHO cells
Ham's F-12 Medium		
12001-578	With L-glutamine, 500 mL	Developed for low density (clonal) growth of CHO cells
L-15 (Leibovitz) Medium		
12001-586	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.
12001-588	Without L-glutamine, 1 L	
McCoy's 5A Medium		
12001-334	With L-glutamine, 500 mL	Designed for human lymphocyte culture
12001-562	With L-glutamine and HEPES, 500 mL	
NCTC-109		
12001-348	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
12001-668	500 mL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12001-670	1 L	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12001-664	500 mL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12001-666	1 L	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12001-994	1 L	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12001-672	500 mL (10X)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12001-674	1 L (10X)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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
12001-516	500 mL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12001-518	1 L	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12001-524	500 mL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12001-526	1 L	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12001-520	500 mL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12001-528	500 mL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12001-980	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				
12001-676	500 mL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12001-678	1 L	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12001-680	1 L (10X)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
UltraSaline A				
12002-022	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
12001-350	100 mL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12001-692	100 mL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12001-694	500 mL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12001-324	500 mL	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12001-714	20 mL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12001-712	100 mL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12001-352	25 × 4.5 mL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Cat. No.	Description	Size
L-glutamine (200 mM)		
12001-696		50 mL
12001-698		100 mL
12001-700		500 mL
12002-036	(Hybridoma screened)	50 mL
Water for Cell Culture Use		
12001-356		500 mL
12001-706		1 L
12002-064	(Flexible packaging)	20 L
12002-062		200 L
Supplements		
12001-716	Insulin, transferrin, selenium (ITS) (500X)	5 mL
12001-718	Insulin, transferrin, ethanolamine, selenium (ITES) (500X)	5 mL
12001-634	MEM Eagle non-essential amino acid solution, 10 mM (100X)	100 mL
12001-638	MEM Eagle vitamin mixture (100X)	50 mL
Buffers and Reagents		
12001-070	ACK lysing buffer (1X)	100 mL
12001-522	Dextrose-gelatin-veronal (DGV)	500 mL
12001-708	HEPES buffer (1M), in normal saline	100 mL
12001-710		500 mL
12001-580	Veronal buffer (5X)	100 mL
12002-038	Trypan blue 0.4% solution	100 mL
12002-030	Lymphocyte separation medium 1.0??	100 mL
12001-636	Sodium pyruvate solution (100mM)	100 mL
12001-702	Sodium bicarbonate, 7.5%	100 mL
12001-650	Sodium bicarbonate, (Powder)	500 g

Cat. No.	Description	Size
Cell Harvesting Reagents		
12001-656	Trypsin 1:250 (10X) 2.5% in Hanks' BSS without calcium or magnesium	100 mL
12001-658		500 mL
12001-660	Trypsin Versene® (EDTA) mixture (1X)	100 mL
12001-662		500 mL
12001-704	Versene® (EDTA) 0.02%	100 mL
Antibiotics/Antimycotics		
12002-034	Amphotericin B (250 µg/mL)	20 mL
12002-032		100 mL
12001-684	Gentamicin sulfate 50 mg/mL, screw cap vial	1 × 10 mL
12001-682		10 × 10 mL
12001-690	Gentamicin sulfate 50 mg/mL, crimp top vial	1 × 10 mL
12001-688	Gentamicin sulfate 10 mg/mL, screw cap vial	1 × 10 mL
12001-686		10 × 10 mL
Freezing Medium		
CA12001-550	Cryoprotective Freezing Medium	100 mL
CA12002-076	ProFreeze™ CD (2x) Freeze Medium – Chemically Defined	100 mL
Serum Alternative		
CA12001-492	HL-1™ Fetal Bovine Serum Substitute (100x) – Chemically Defined	10 mL

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