



Product Information

Liquid Media Supplementation

Sigma's liquid media are formulated without antibiotics, serum supplement, and in most instances without L-glutamine. This prolongs shelf lives and gives additional flexibility to their applications. The desired amount of serum and antibiotics should be added, using aseptic techniques, immediately prior to use. If glutamine is to be added, we recommend using a 200 mM solution (Product No. G 7513) or the crystalline form (Product No. G 5763 or G 6392). Please note that G 7513 is a sterile-filtered solution and G 6392 has been sterilized by exposure to 2.0-4.0 megarads of γ -irradiation. Product No. G 5763 is not a sterile preparation, and should be solubilized and sterilized by filtration prior to use. Refer to the following table for appropriate amounts of L-glutamine in solid or liquid form to add to prepared media to effect the recommended concentration of the amino acid.

Liquid Media	Product Number	L-Glutamine	L-Glutamine
		200 mM (ml/L)	Powder (g/L)
BME EBSS	B 1522	10.0	0.292
BME HBSS	B 2900	10.0	0.292
DME	D 0422	20.0	0.584
DME HEPES	D 6171	20.0	0.584
DME	D 5546	20.0	0.584
DME	D 5671	20.0	0.584
DME w/o phenol red	D 5921	20.0	0.584
DME	D 6546	20.0	0.584
DME/F-12	D 6421	12.5	0.365
Glasgow MEM	G 5154	10.0	0.292
IMDM Hybri-Max [®]	I 2762	20.0	0.584
IMDM	I 3390	20.0	0.584
L-15	L 5520	10.25	0.3
McCOY'S 5A	M 8403	07.5	0.2192
M-199 EBSS	M 2154	03.4	0.1
M-199 HEPES	M 7528	03.4	0.1
M-199 HBSS	M 7653	03.4	0.1
MEM	M 2289	10.0	0.292
MEM	M 2414	10.0	0.292
MEM EBSS	M 2279	10.0	0.292
MEM ALPHA	M 4526	10.0	0.292
MEM EBSS NEAA	M 5650	10.0	0.292
MEM HBSS	M 5775	10.0	0.292
MEM HEPES	M 7278	10.0	0.292
MEM EBSS	M 7647	10.0	0.292
MEM JOKLIK	M 8028	10.0	0.292
NCTC 109	N 1140	04.65	0.13573
Nut. Mix F-10	N 2147	05.0	0.146
Nut. Mix F-12	N 4888	05.0	0.146
Nut. Mix F-12 HEPES	N 8641	05.0	0.146
Nut. Mix F-10	N 6013	05.0	0.146
RPMI-1640	R 0883	10.25	0.3
RPMI-1640 Hybri-Max [®]	R 5507	10.25	0.3
RPMI-1640 HEPES	R 5632	10.25	0.3
RPMI-1640 HEPES	R 5886	10.25	0.3
RPMI-1640 mod.	R 7513	10.25	0.3
RPMI-1640 w/o phenol red	R 7509	10.25	0.3
RPMI-1640 dutch mod.	R 7638	10.25	0.3
RPMI-1640	R 7880	10.25	0.3
RPMI-1640 w/o phenol red	R 8632	10.25	0.3
William's Medium E	W 4128	10.0	0.292