



Protocol Section: Media **Policy No:** P-CMMR5-MEM-00
Protocol Subject: Minimum Essential Medium **Effective Date:**
Date Reviewed: 6 January 2003
Date Revised:

MEM

MEM	100 ml	200 ml	400 ml	Molarity
EBSS 10x	10 ml	20 ml	40 ml	1 x
NaHCO ₃	220 mg	440 mg	880 mg	26.2 mM
Na Pyruvate	2.5 mg	5 mg	10 mg	0.23 mM
Penicillin G	7.5 mg	15 mg	30 mg	--
Streptomycin sulfate	5 mg	10 mg	20 mg	--
L-Glutamine	29 mg	58 mg	117 mg	2 mM
Essential Amino Acids AA 50x	2 ml	4 ml	8 ml	1x
Vitamins 100x	1 ml	2 ml	4 ml	1x
Phenol Red (11mg/ml)	0.1 ml	0.2 ml	0.4 ml	--
EDTA	0.38 mg	0.75 mg	1.5 mg	10 μM

Filter and store at 4 °C for no longer than 4 weeks.
 Phenol red: 11 mg/ml.
 Essential Amino Acids, 50x, Bio Whittaker, 13-606E
 Vitamins, 100x, Bio Whittaker, 13-607C

Issued by Lab Manager: _____ **Date:** _____

Approved by Facility Management: _____ **Date:** _____