

Comparison of Minimum Essential Media (MEM), with Earle's salts

	Base Cat. Number									
WITH L-GLUTAMINE	11095 ^S	12571 ²	12561 ²	41061 ²	61100 ^S	41500	11900 ²	12000 ²		
with non-essential amino acids		●	●	●		●	●	●		
with ribonucleosides and deoxyribonucleosides		●		●			●			
without phenol red				●						
α-modification		●	●	●			●	●		
powder ¹					●	●	●	●		
WITHOUT L-GLUTAMINE	11090 ^S	10370	11380	12360	51200	41090	32561 ²	32571 ²	11430	11700
with HEPES buffer (25 mM)				●						
with non-essential amino acids		●					●	●		
with GlutaMAX™-I ³						●	●	●		
with ribonucleosides and deoxyribonucleosides								●		
without phenol red					●					
α-modification							●	●		
S-MEM modified for suspension culture (Ca ⁺² free)			●							
10X concentration ¹									●	
powder ¹										●

^S Standard formulation, as published in Eagle, H. (1959) *Science* 130, 432.

¹ Powdered media and concentrated formulations do not contain sodium bicarbonate.

² MEM-α modification. Modification includes the non-essential amino acids, Na⁺ pyruvate, lipoic acid, vitamin B₁₂, biotin, and ascorbic acid.

³ GlutaMAX™-I Supplement is L-alanyl-L-glutamine, a glutamine dipeptide, which can be used in the place of L-glutamine in culture media. It is substituted on an equimolar basis for L-glutamine.

Use this comparison table as a quick reference for identifying the base catalog number (**in bold**) of the product that's best for your application.