



## Minimum Essential Media with Earle's Salts and L-Glutamine (MEM)

Catalog Number: 09011

### Product Description

Minimum Essential Medium (MEM) is a modification of Basal Medium Eagle (BME) that contains higher concentrations of amino acids to more closely resemble mammalian cell composition. Supplementation of non-essential amino acids to the formulations that incorporate either Earle's, Hanks' or Eagles' salts has broadened the usefulness of this medium.

### Specification

MEM with Earle's Salts and L-Glutamine  
with L-glutamine (2mM)  
with sodium phosphate monobasic  
with sodium bicarbonate

Liquid, sterile-filtered	
pH	7.4 ± 0.2
Osmolality	340 ± 20
Endotoxin	< 1.0 EU/ml
Expiration	12 months
Human cell culture test	pass

### Product Use

MEM is for research use only. It is not approved for human or animal use, or for application in *in vitro* diagnostic procedures.

### Storage

Store the medium at 2 - 8°C. Protect from light.

### References

1. Dulbecco, R. and Freeman, G. (1959). Plaque Production by the Polyoma Virus. *Virology*. 8, 396-397.
2. Morton, H.J., (1970). A Survey of Commercially Available Tissue Culture Media. *In Vitro*. 6, 89.

*Caution: If handled improperly, some components of the medium may present a health hazard. Take appropriate precautions when handling it, including the wearing of protective clothing and eyewear. Dispose of properly.*