

UltraCruz™ Dulbecco's Modified Eagle's Medium: sc-224478

BACKGROUND

UltraCruz™ Dulbecco's Modified Eagle's Medium (DMEM) is a proprietary modified version of Basal Medium Eagle (BME) optimized for mammalian cell culture. UltraCruz™ Dulbecco's Modified Eagle's Medium contains four times the amino acid and vitamin concentrations and supports the primary culture of mouse and chicken cells, as well as a plethora of normal and transformed cell types.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

FORMULATION

COMPONENT	10-017 1X, LIQUID DMEM
INORGANIC SALTS	
	mg/L
CaCl ₂ (anhydrous)	200.00
Fe(NO ₃) ₃ • 9H ₂ O	0.10
KCl	400.00
MgSO ₄ (anhydrous)	97.70
NaCl	6400.00
NaH ₂ P ₂ O ₄ • H ₂ O	125.00
NaHCO ₃ O	3700.00
AMINO ACIDS	
L-Arginine • HCl	84.00
L-Cystine • 2HCl	62.57
L-Glutamine	584.00
Glycine	30.00
L-Histidine • HCl • H ₂ O	42.00
L-Isoleucine	104.80
L-Leucine	104.80
L-Lysine • HCl	146.20
L-Methionine	30.00
L-Phenylalanine	66.00
L-Serine	42.00
L-Threonine	95.20
L-Tryptophan	16.00
L-Tyrosine • 2Na • 2H ₂ O	103.79
L-Valine	94.00
VITAMINS	
D-Calcium pantothenate	4.00
Choline chloride	4.00
Folic acid	4.00
i-Inositol	7.20
Nicotinamide	4.00
Pyridoxine • HCl	4.00
Riboflavin	0.40
Thiamine • HCl	4.00
OTHER	
D-Glucose	4500.00
Phenol red, Na	15.00
SPECIFICATIONS	
pH (after buffer)	7.2 ± 0.2
Osmolality (mOsm)	335 ± 30