

IMDM, with L-Glutamine, without Supplements

General information

Iscove's Modified Dulbecco's Medium (IMDM) is a modified version of DMEM that is particularly well-suited for cultivating cells at high densities. This formulation has been optimized to support the growth of a variety of cell types, including Jurkat, COS-7 and macrophages.

Product specifications

CO2 concentration, optimum	7.0%
pH	7.0 – 7.5
Osmolality	260 – 340 mOsm/kg
Colour and Appearance	Clear red orange solution
Endotoxin	< 1 EU/ml (< 0.1 ng/ml)
Cell Culture	Tested
Sterility	Tested
Storage	+2 °C to +8 °C protected from light

Formulation

Amino Acids

L-Alanine	25.00
L-Arginine HCl	84.00
L-Asparagine H ₂ O	28.40
L-Aspartic Acid	30.00
L-Cystine 2 HCl	91.24
L-Glutamic Acid	75.00
L-Glutamine	584.00
Glycine	30.00
L-HistidineHClH ₂ O	42.00
L-Isoleucine	105.00
L-Leucine	105.00
L-Lysine HCl	146.00
L-Methionine	30.00
L-Phenylalanine	66.00
L-Proline	40.00
L-Serine	42.00
L-Threonine	95.00
L-Tryptophan	16.00
L-Tyrosine 2 Na	89.47
L-Valine	94.00

Vitamins

D-Biotin	0.013
Choline chloride	4.00
D-Calcium Pantothenate	4.00
Folic Acid	4.00
myo-Inositol	7.20
Nicotinamide	4.00
Pyridoxal HCl	4.00
Riboflavin	0.40
Thiamine HCl	4.00
Vitamin B12	0.013

Inorganic Salts

Calcium Chloride 2 H ₂ O	219.00
Magnesium Sulfate	97.67
Potassium Chloride	330.00
Potassium Nitrate	0.076
Sodium Bicarbonate	3024.00
Sodium Chloride	4505.00
Sodium Phosphate Monobasic Anhydrous	109.00
Sodium Selenite	0.017

Other Components

D-Glucose	4500.00
HEPES	5958.00
Phenol Red Sodium Salt	16.0
Sodium Pyruvate	110.00

Precautions and disclaimer

This product is for research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Ordering information

Catalogue number	Pack size
LTLM-B14	500 ml

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