



2235 CORNELL AVENUE • MONTGOMERY, ILLINOIS 60538-3201

(800) 246-4088 • FAX: (630) 801-4766 • E-MAIL: info@biologos.com • WEB SITE: www.biologos.com

SPECIFICATION SHEET

PRODUCT: Dulbecco's Modified Eagle Medium (1X)
With Low Glucose & Phenol Red; Without L-Glutamine & Sodium Pyruvate
With 25 mM HEPES Buffer

Catalog Number: LDL9001

MEDIA FORMULATION

Formula

Dulbecco's Modified Eagle Medium (1X)
 With Low Glucose & Phenol Red; Without L-Glutamine & Sodium Pyruvate
 With 25 mM HEPES Buffer

<u>Components</u>	<u>mg/Liter</u>
INORGANIC SALTS	
CaCl ₂ (anhydrous).....	200.000
Fe(NO ₃) ₃ ·9H ₂ O.....	0.100
KCl.....	400.000
MgSO ₄ (anhydrous).....	97.670
NaCl.....	6400.000
NaHCO ₃	3700.000
NaH ₂ PO ₄ ·H ₂ O	125.000
OTHER COMPONENTS	
D-Glucose.....	1000.000
Phenol Red (Na).....	15.000
HEPES buffer.....	5958.000
AMINO ACIDS	
L-Arginine HCl.....	84.000
L-Cystine·2HCl.....	63.000
Glycine.....	30.000
L-Histidine HCl·H ₂ O.....	42.000
L-Isoleucine.....	105.000
L-Leucine.....	105.000
L-Lysine HCl.....	146.000
L-Methionine.....	30.000
L-Phenylalanine.....	66.000



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MEDIA FORMULATION (CONTINUED)

Formula

Dulbecco's Modified Eagle Medium (1X)
 With Low Glucose & Phenol Red; Without L-Glutamine & Sodium Pyruvate
 With 25 mM HEPES Buffer

<u>Components</u>	<u>mg/Liter</u>
AMINO ACIDS, CONTINUED	
L-Serine.....	42.000
L-Threonine.....	95.000
L-Tryptophan.....	16.000
L-Tyrosine·2H ₂ O.....	104.000
L-Valine.....	94.000
VITAMINS	
D-Ca Pantothenate.....	4.0000
Choline Chloride.....	4.0000
Folic Acid.....	4.0000
i-Inositol.....	7.2000
Nicotinamide.....	4.0000
Pyridoxal HCl.....	4.0000
Riboflavin.....	0.4000
Thiamine HCl.....	4.0000

References

1. Dulbecco, R. and Freeman, G. *Virology*. 8, 396-397. (1959).
2. Smith, J.D., Freeman, G., Vogt, M. and Dulbecco, R. *The Nucleic Acid of Polyoma Virus*. 12, 85-196. (1960).
3. Morton, H.J., *A Survey of Commercially Available Tissue Culture Media*. *In Vitro*. 6, 89. (1970).
4. Rutzky, L.P. and Pumper, R.Q., *Supplement to a Survey of Commercially Available Tissue Culture Media (1970)*. *In Vitro*. 9, 468. (1974)



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ASSAY:

Appearance

pH

Osmolality

Sterility per 9CFR 113.26

Fungal

Bacterial

SPECIFICATION:

Clear, Red Solution

7.0 - 7.4

Measure and Record

NEGATIVE

NEGATIVE

Minimum Recommended Expiration Date: [2 years from date of mfg.]

Storage 2° - 8°C

Approved by:

6/27/2018

Quality and Compliance Manager