



ISO 13485:2016 Certified | GMP Certified

2235 Cornell Ave. Montgomery, IL 60538 | (800) 246 - 4088 | CustomerService@Biologos.com | Biologos.com

SPECIFICATION SHEET

PRODUCT: DULBECCO'S MODIFIED EAGLE MEDIUM (1X)
W/HIGH GLUCOSE, SODIUM PYRUVATE & PHENOL RED; W/O L-GLUTAMINE
With 25 mM HEPES Buffer
Sterile Filtered 0.1µ - USP TESTED

Catalog Number: LDH9011-11

MEDIA FORMULATION

LDH9011-11

Dulbecco's Modified Eagle Medium (1X)
w/High Glucose, Sodium Pyruvate, & Phenol Red; w/o L-Glutamine
With 25 mM HEPES Buffer - USP TESTED

Components **mg/Liter**

INORGANIC SALTS

Calcium Chloride, Anhydrous (CaCl ₂)	200.000
Ferric Nitrate, Nonahydrate (Fe(NO ₃) ₃ · 9H ₂ O)	0.10000
Potassium Chloride (KCl)	400.000
Magnesium Sulfate, Anhydrous (MgSO ₄)	97.6700
Sodium Chloride (NaCl)	6400.00
Sodium Bicarbonate (NaHCO ₃)	3700.00
Sodium Phosphate, Monobasic, Monohydrate (NaH ₂ PO ₄ · H ₂ O)	125.000

OTHER COMPONENTS

D-Glucose, Anhydrous (C ₆ H ₁₂ O ₆)	4500.00
Phenol Red, Sodium Salt (C ₁₉ H ₁₃ NaO ₅ S)	15.0000
HEPES buffer	5958.00

AMINO ACIDS

L-Arginine, Hydrochloride (C ₆ H ₁₄ N ₄ O ₂ · HCl)	84.0000
L-Cystine, Dihydrochloride (C ₆ H ₁₂ N ₂ O ₄ S ₂ · 2HCl)	63.0000
Glycine (C ₂ H ₅ NO ₂)	30.0000
L-Histidine, Hydrochloride, Monohydrate (C ₆ H ₉ N ₃ O ₂ · HCl · H ₂ O)	42.0000
L-Isoleucine (C ₆ H ₁₃ NO ₂)	105.000
L-Leucine (C ₆ H ₁₃ NO ₂)	105.000
L-Lysine, Hydrochloride (C ₆ H ₁₄ N ₂ O ₂ · HCl)	146.000
L-Methionine (C ₅ H ₁₁ NO ₂ S)	30.0000
L-Phenylalanine (C ₉ H ₁₁ NO ₂)	66.0000
L-Serine (C ₃ H ₇ NO ₃)	42.0000
L-Threonine (C ₄ H ₉ NO ₃)	95.0000
L-Tryptophan (C ₁₁ H ₁₂ N ₂ O ₂)	16.0000
L-Tyrosine, Disodium, Dihydrate (C ₉ H ₉ NO ₃ Na ₂ · 2H ₂ O)	104.000
L-Valine (C ₅ H ₁₁ NO ₂)	94.0000

Not for Human or Animal Consumption.

For Further Manufacturing Use Only.

SPEC-LDH9011-11.01



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Catalog Number: LDH9011-11

MEDIA FORMULATION (CONTINUED)

LDH9011-11

Dulbecco's Modified Eagle Medium (1X)
w/High Glucose, Sodium Pyruvate, & Phenol Red; w/o L-Glutamine
With 25 mM HEPES Buffer - USP TESTED

VITAMINS

Table with 2 columns: Vitamin Name and Concentration. Includes D-Calcium Pantothenate, Choline Chloride, Folic Acid, Myo-Inositol, Niacinamide, Pyridoxine, Riboflavin, and Thiamine.

ASSAY:

Appearance
pH
Osmolality
Endotoxin
Sterility per USP <71>

SPECIFICATION:

Clear, Red Solution
7.0 - 7.4
Measure and Record
Measure and Record

Table with 2 columns: Assay Type and Result. Includes Fungal (NEGATIVE) and Bacterial (NEGATIVE).

Storage: 2°- 8°C

Minimum Recommended Expiration Date: [24 Months from Date of Manufacturing]

Approved by:

Signature of Seth Rindner

1/25/2021

Seth Rindner
Quality and Compliance Manager

Customer Representative Date

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