



ISO 13485:2016 Certified | GMP Certified

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

## SPECIFICATION SHEET

**PRODUCT: RPMI 1640 (1X) MEDIUM**  
**with L-Glutamine, Phenol Red & 10% Glycerol**  
**0.2µ Sterile Filtered**

**Catalog Number: LR311**

### MEDIA FORMULATION

#### LR311

RPMI 1640 (1X)  
with L-Glutamine, Phenol Red & 10% Glycerol

*Components* *mg/L*

#### **INORGANIC SALTS**

Calcium Nitrate, Tetrahydrate (Ca(NO <sub>3</sub> ) <sub>2</sub> •4H <sub>2</sub> O)	100.0000
Potassium Chloride (KCl)	400.0000
Magnesium Sulfate (MgSO <sub>4</sub> ), anhydrous	48.84000
Sodium Chloride (NaCl)	6000.000
Sodium Bicarbonate (NaHCO <sub>3</sub> )	2000.000
Sodium Phosphate Dibasic, Anhydrous (Na <sub>2</sub> HP <sup>i</sup> )	800.0000

#### **OTHER COMPONENTS**

D-Glucose, Anhydrous	2000.000
Glutathione (reduced)	1.000000
Phenol Red (Na)	5.000000
Glycerol	10 mL/L

#### **AMINO ACIDS**

L-Arginine, Hydrochloride	242.3100
L-Asparagine, Anhydrous	50.00000
L-Aspartic Acid	20.00000
L-Cystine, Dhydrochloride	65.00000
L-Glutamic Acid	20.00000
L-Glutamine	300.0000
Glycine	10.00000
L-Histidine, Hydrochloride	15.00000
L-Hydroxyproline	20.0000
L-Isoleucine	50.0000
L-Leucine	50.0000
L-Lysine HCl	40.0000
L-Methionine	15.0000
L-Phenylalanine	15.0000
L-Proline	20.0000
L-Serine	30.0000
L-Threonine	20.0000

**Not for Human or Animal Consumption.**  
**For Further Manufacturing Use Only.**



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Table with 2 columns: Components, mg/L. Includes Amino Acids (Continued) such as L-Tryptophan, L-Tyrosine, Disodium, Dihydrate, and L-Valine.

VITAMINS

Table with 2 columns: Components, mg/L. Includes Vitamins such as Para-Aminobenzoic Acid, Biotin, D-Calcium Pantothenate, Choline Chloride, Folic Acid, Myo-Inositol, Niacinamide, Pyridoxine HCl, Riboflavin, Thimaine HCl, and Vitamin B12.

References: Moore, G.E., et al., 1967, J.A.M.A., 199-519
Morton, H.J., 1970, In Vitro, 6:89

Table with 2 columns: ASSAY, SPECIFICATION. Includes Appearance, pH, Sterility per 9 CFR 113.26, Fungal/Bacterial tests, and Clear, red-orange solution with pH 7.0 - 7.6.

Storage: 2° - 8°C

Minimum Recommended Expiration Date: [18 Months from Date of Manufacturing]

Approved by:

Handwritten signature of Seth Ruck

8/19/2019

Quality and Compliance Manager

Date

Customer Representative

Date

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