



ISO 13485:2016 Certified | GMP Certified

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

## SPECIFICATION SHEET

**PRODUCT: RMPI 1640 (1X) Medium**

**with L-Glutamine & 25 mM HEPES Buffer, w/o Phenol Red**

**0.2µ Sterile Filtered**

**Catalog Number: LR910**

### MEDIA FORMULATION

#### LR910

RMPI 1640 (1X)

*with L-Glutamine & 25 mM HEPES Buffer, w/o Phenol Red*

*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
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> HPO <sub>4</sub> )	800.0000

#### **OTHER COMPONENTS**

D-Glucose, Anhydrous	2000.000
Glutathione (reduced)	1.000000
HEPES Buffer	5958.000

#### **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
L-Tryptophan	5.00000
L-Tyrosine, Disodium, Dihydrate	29.0000
L-Valine	20.0000

**Not for Human or Animal Consumption.**

**For Further Manufacturing Use Only.**



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**VITAMINS**

Para-Aminobenzoic Acid	1.0000
Biotin	0.2000
D-Calcium Pantothenate	0.2500
Choline Chloride	3.0000
Folic Acid	1.0000
Myo-Inositol	35.0000
Niacinamide	1.0000
Pyridoxine HCl	1.0000
Riboflavin	0.2000
Thimaine HCl	1.0000
Vitamin B12	0.0050

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

**ASSAY:**

**SPECIFICATION:**

Appearance	Clear, colorless to light yellow solution
pH	7.0 - 7.4
Osmolality	275 - 315 mOsm/Kg H <sub>2</sub> O
Sterility per 9 CFR 113.26	
Fungal	NEGATIVE
Bacterial	NEGATIVE

Storage: 2° - 8°C

**Minimum Recommended Expiration Date:** *[18 months from date of manufacturing]*

Approved by:

11/18/2019

Seth Rindner  
Quality and Compliance Manager

Date

Customer Representative

Date

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