

## RPMI-1640 Medium (Catalog# TBS8063-500 mL)

*With L-glutamine and sodium bicarbonate, liquid, sterile-filtered, suitable for cell culture*

### DESCRIPTION

RPMI 1640 Medium was developed by Moore and his co-workers, in 1966 at Roswell Park Memorial Institute, hence the acronym RPMI. A modification of McCoy's 5A Medium, it was formulated to support lymphoblastoid cells in suspension culture, but it has since been shown to support a wide variety of cells that are anchorage dependent. Originally intended to be used with a serum supplement, RPMI 1640 has been shown to support several cell lines in the absence of serum. It has also been widely used in fusion protocols and in the growth of hybrid cells.

RPMI-1640 Medium has been used for maintaining cell line medium and serves as a medium for different cells.

TBS8063-500ML is modified with L-glutamine, phenol red, sodium bicarbonate without sodium pyruvate. Users can make any suitable modification based on the specific needs for different cell lines.

### PACK SIZE

1x500 mL/bottle, Store at 2-8°C °C in dark till use.

### RELATED PRODUCTS

MSC Medium (TBS8021)  
 DMEM-high Glucose Medium (TBS8061-500ML)  
 Chondrogenic Differentiation Medium (TBS8062)  
 ESC/iPSC-qualified FBS (TBS8002)  
 Adipocyte Differentiation Cocktail (TBS8017)  
 0.1% Gelatin Solution (TBS8004)  
 1.25M Calcium Chloride (TBS5071)  
 2.5M Calcium Chloride (TBS5072)  
 2x HBS, pH7.05 (TBS5076)  
 Cell Culture Grad Water (TBS5050)  
 LB Medium (TBS8056)  
 SOB Medium (TBS8057)  
 SOC Broth Medium (TBS8058)  
 2xYT Broth Medium (TBS8059)

### COMPOSITIONS (1X)

Ingredients	Concentration (mg/L)
Ca(NO <sub>3</sub> ) <sub>2</sub> •4H <sub>2</sub> O	0.1
MgSO <sub>4</sub> (anhyd)	0.04884
KCl	0.4
NaHCO <sub>3</sub>	2.0
NaCl	6.0
Na <sub>2</sub> HPO <sub>4</sub> (Anhyd)	0.8
L-Arginine (free base)	0.2
L-Asparagine (anhyd)	0.05
L-Aspartic Acid	0.02
L-Cystine•2HCl	0.0652
L-Glutamic Acid	0.02
L-Glutamine	0.3
Glycine	0.01
L-Histidine (free base)	0.015
Hydroxy-L-Proline	0.02
L-Isoleucine	0.05
L-Leucine	0.05
L-Lysine•HCl	0.04
L-Methionine	0.015
L-Phenylalanine	0.015
L-Proline	0.02
L-Serine	0.03
L-Threonine	0.02
L-Tryptophan	0.005
L-Tyrosine•2Na•2H <sub>2</sub> O	0.02883
L-Valine	0.02
D-Biotin	0.0002
Choline Chloride	0.003
Phenol Red	0.0053

**Research use only.**