

*With High glucose, L-glutamine, HEPES, and phenol*

Catalog	Unit Size
TBS8063H-500ML	500 mL

**DESCRIPTION**

RPMI 1640 Medium was developed by Moore and his co-workers in 1966 at Roswell Park Memorial Institute, hence the acronym RPMI. It is a modification of McCoy's 5A Medium. This medium 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.

TBS8063H-500ML has been modified by ATCC to contain high glucose, low L-glutamine, HEPES, phenol red, low sodium bicarbonate, and sodium pyruvate. Users can make any suitable modification based on the specific needs of different cell lines.

**PACK SIZE**

1x 500mL/bottle.  
Store at 2-8°C °C in dark till use.  
pH: 7.4 ± 0.2.

**RELATED PRODUCTS**

- MSC Medium (TBS8021)
- Hams F-12 Medium (TBS8032)
- DMEM Medium (TBS8061)
- Chondrogenic Differentiation Medium (TBS8062)
- RPMI-1604 Medium without Glucose (TBS8063GF)
- ESC/iPSC-qualified FBS (TBS8002)
- Adipocyte Differentiation Cocktail (TBS8017)
- DMEM/F-12 Medium (TBS8083)
- 0.1% Gelatin Solution (TBS8004)
- 1.25M Calcium Chloride (TBS5071)
- 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**

Ingredients	Concentration (mg/L)
Ca(NO3)2•4H2O	100
MgSO4 (anhyd)	48.84
KCl	400
NaHCO3	1500
NaCl	6000
Na2HPO4 (Anhyd)	800
L-Arginine (free base)	200
L-Asparagine (anhyd)	50
L-Aspartic Acid	20
L-Cystine•2HCl	65
L-Glutamic Acid	20
L-Glutamine	300
Glycine	10
L-Histidine (free base)	15
Hydroxy-L-Proline	20
L-Isoleucine	50
L-Leucine	50
L-Lysine•HCl	40
L-Methionine	15
L-Phenylalanine	15
L-Proline	20
L-Serine	30
L-Threonine	20
L-Tryptophan	5
L-Tyrosine•2Na•2H2O	29
L-Valine	20
D-Biotin	0.2
Choline Chloride	3
<b>D-Glucose (Dextrose)</b>	<b>4500</b>
Phenol Red	5
HEPES	2383
Glutathione (reduced)	1
Sodium Pyruvate	110

**Research use only.**