RPMI-1640 Medium

With High glucose, L-glutamine, and phenol

Catalog	Unit Size
TBS8063-500ML	500 mL
TBS8063-12x500MLx	12x 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.

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

PACK SIZE

1x 500mL/bottle or 12x 500mL/bottle.
Store at 2-8°C in dark till use.
pH: 7.4 – 8.0.

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)
$Ca(NO_3)_2 \cdot 4H_2O$	0.1
$MgSO_4$ (anhyd)	0.04884
KCl	0.4
$NaHCO_3$	2.0
NaCl	6.0
Na_2HPO_4 (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•2H2O	0.02883
L-Valine	0.02
D-Biotin	0.0002
Choline Chloride	0.003
D-Glucose (Dextrose)	**4500**
Phenol Red	0.0053

Research use only.

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