

**DMEM-high Glucose Medium**
*With High glucose, L-glutamine and phenol red, and sodium pyruvate*

Catalog	Unit Size
TBS8061-500ML	500 mL
TBS8061-1L	1000 mL

**DESCRIPTION**

DMEM (Dulbecco's Modified Eagle Medium) is one of the widely used basal mediums for supporting the growth of many different mammalian cells. DMEM is unique from other media as it contains 4 times the concentration of amino acids and vitamins than the original Eagle's Minimal Essential Medium. Cells successfully cultured in DMEM include primary fibroblasts, neurons, glial cells, HUVECs, and smooth muscle cells, as well as cell lines such as HeLa, 293, Cos-7, and PC-12. We offer a variety of DMEM modifications for a range of cell culture applications.

The medium is modified with 4,500 mg/L glucose, L-glutamine, phenol red, 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 or 1x1 L/bottle, Store at 2-8°C °C in dark till use.  
pH: 7.4 ± 0.2

**RELATED PRODUCTS**

MSC Medium (TBS8021)  
Chondrogenic Differentiation Medium (TBS8062)  
RPMI16040 Medium (TBS8063)  
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)

**Research use only.**

**COMPOSITIONS**

Ingredients	Concentration (mg/L)
Glycine	30
L-Arginine hydrochloride	84
L-Cystine 2HCl	63
L-Glutamine	584
L-Histidine hydrochloride-H <sub>2</sub> O	42
L-Isoleucine	105
L-Leucine	105
L-Lysine hydrochloride	146
L-Methionine	30
L-Phenylalanine	66
L-Serine	42
L-Threonine	95
L-Tryptophan	16
L-Tyrosine disodium salt dihydrate	104
L-Valine	94
Choline chloride	4
D-Calcium pantothenate	4
Folic Acid	4
Niacinamide	4
Pyridoxine hydrochloride	4
Riboflavin	0.4
Thiamine hydrochloride	4
i-Inositol	7.2
Sodium Pyruvate	110
Sodium Bicarbonate	3700
CaCl <sub>2</sub> (anhyd.)	200
Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O	0.1
MgSO <sub>4</sub> (anhyd.)	97.67
KCl	400
NaCl	6400
NaH <sub>2</sub> PO <sub>4</sub> -H <sub>2</sub> O	125
D-Glucose (Dextrose)	4500
Phenol Red	15