

DMEM Powder (Dulbecco's Modification of Eagle's Medium; Catalog# TBS8061)

Without glucose and sodium pyruvate without L-glutamine and phenol red

DESCRIPTION

DMEM (Dulbecco's Modified Eagle Medium) is one of 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.

TBS8061-DMEM is modified without L-glutamine, glucose, phenol red, sodium pyruvate and sodium bicarbonate. Users can make any suitable modification based on the specific needs for different cell lines.

PACK SIZE

TBS8061-10L: 1 x 10 L

TBS8061-50L: 1 x 50 L

USE DIRECTIONS

1. Suspend 8.3gms in 900 ml tissue culture grade water with constant, gentle stirring until the powder is completely dissolved.
2. Add other supplements based on the need.
3. Adjust the pH.
4. Make up the final volume to 1000ml with tissue culture grade water.
5. Sterilize the medium immediately by filtering through a sterile membrane filter with porosity of 0.22 micron or less.
6. Store liquid medium at 2-8°C and in dark till use.

STORAGE CONDITIONS

The product can be stored for 1 year at 4-8°C.

COMPOSITIONS

Ingredients	mg/L
Calcium chloride dihydrate	265.000
Ferric nitrate nonahydrate	0.100
Magnesium sulphate anhydrous	97.720
Potassium chloride	400.000
Sodium chloride	6400.000
Sodium dihydrogen phosphate anhydrous	109.000
Glycine	30.000
L-Arginine hydrochloride	84.000
L-Cystine dihydrochloride	62.570
L-Histidine hydrochloride monohydrate	42.000
L-Isoleucine	105.000
L-Leucine	105.000
L-Lysine hydrochloride	146.000
L-Methionine	30.000
L-Phenylalanine	66.000
L-Serine	42.000
L-Threonine	95.000
L-Tryptophan	16.000
L-Tyrosine disodium salt	103.790
L-Valine	94.000
Choline chloride	4.000
D-Ca-Pantothenate	4.000
Folic acid	4.000
Nicotinamide	4.000
Pyridoxal hydrochloride	4.000
Riboflavin	0.400
Thiamine hydrochloride	4.000
i-Inositol	7.200

RELATED PRODUCTS

- LB Medium (TBS8056)
- SOB Medium (TBS8057)
- SOC Broth Medium (TBS8058)
- 2xYT Broth Medium (TBS8059)
- 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)

Research use only.