

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.