

DMEM, low glucose, pyruvate (TBS8061LG)

Catalog	Unit Size
TBS8061LG-500ML	500 ML
TBS8061LG-1L	1 L

Description

TribioScience’s Dulbecco's Modified Eagle Medium (DMEM) is a basal cell culture medium developed to support the growth and maintenance of a broad range of mammalian cell types. This formulation includes low glucose (1 g/L), L-glutamine, sodium pyruvate, and phenol red but does **not** contain HEPES buffer. DMEM provides a rich nutrient profile, with higher concentrations of amino acids and vitamins compared to Eagle’s Minimal Essential Medium (EMEM) and is designed to be supplemented with Fetal Bovine Serum (FBS) or other appropriate supplements.

Application

- Culture of primary cells and cell lines, including:
 - Fibroblasts
 - Neurons and glial cells
 - Human umbilical vein endothelial cells (HUVECs)
 - Smooth muscle cells
 - Cell lines: HeLa, 293, Cos-7, PC-12
- Suitable for research and human ex vivo tissue and cell culture processing applications
- For in vitro use only

Main Features

- Low glucose (1 g/L)
- Contains L-glutamine
- Contains sodium pyruvate
- Includes phenol red as a pH indicator
- Lacks HEPES buffer
- Requires 5–10% CO₂ atmosphere to maintain pH
- Free of proteins, lipids, and growth factors – requires serum supplementation (e.g., 10% FBS)
- Sodium bicarbonate buffering system (3.7 g/L)

Package Size

500 mL bottle

Storage

- Store at 2–8 °C
- Protect from light
- Do not freeze
- Shelf life: up to 12 months from date of manufacture under recommended storage conditions

Relative Products

- DMEM High glucose with L-Glutamine (TBS8061)
- DMEM without glucose with L-Glutamine (TBS8061GF-500mL)
- DMEM/F12, HEPES (TBS8061)
- 1xPBS (TBS5003)
- 2% BSA in PBS (TBS5048)
- 2% BSA in TBST (TBS5049-2)
- 5% BSA in TBST (TBS5049-5)
- 30% BSA (TBS8031)
- 0.1% BSA ELISA Assay Buffer (TBS5057)
- PBST (TBS5011)
- TBS (TBS5008)
- TBST (TBS5008T)
- 0.5M EDTA Solution (TBS5040)
- Antigen retrieval Citrate Solution-pH6.0(TBS5077)
- Protein Assay Kit (Catalog# TBS2005)
- Protein Lysis Buffer (Catalog# TBS5001)
- Urea Solution (TBS5037)
- Ammonium Sulfate Solution (Catalog# TBS5038)
- MOPS Buffer (Catalog# TBS5041)

This product is for research use only.