



**Dulbecco's Modified Eagle's Medium  
with L-Glutamine, Sodium Pyruvate and HEPES  
(DMEM)  
Catalog #09231**

**Product Description**

Many modifications of eagle's medium have been developed since the original formulation. The most widely used modification is Dulbecco's Modified Eagle's Medium (DMEM), which was developed in 1969. HEPES buffer is included in DMEM formulation at a final concentration of 25 mM to compensate for the loss of buffering capacity incurred by eliminating serum. DMEM with L-Glutamine, Sodium Pyruvate and HEPES (09231) is a sterile, liquid medium which contains essential and non-essential amino acids, vitamins, organic and inorganic compounds, hormones, growth factors and trace minerals. It is well suited for supporting the growth of a broad range of mammalian cell lines.

**Product Use**

DMEM is for research use only. It is not approved for human or animal use, or for application in *in vitro* diagnostic procedures.

**Storage**

Store the medium at 4°C. Protect from light.

**Shipping**

Room temperature.

*Caution: If handled improperly, some components of the medium may present a health hazard. Take appropriate precautions when handling it, including the wearing of protective clothing and eyewear. Dispose of properly.*