



## **Dulbecco's Modified Eagle's Medium - high glucose and 25mM HEPES (DMEM)**

Catalog Number: 09241

### **Product Description**

Dulbecco's Modified Eagle's Medium (DMEM) is a modification of Basal Medium Eagle (BME) that contains four-fold concentrations of the amino acids and vitamins as well as additional supplementary components. The original formulation contained 1000 mg/L of glucose and was used to culture embryonic mouse cells. Since then, it has been modified in several ways to support primary cultures of mouse and chicken cells, as well as a variety of normal and transformed cells. Each of these media offers a different combination of L-glutamine, sodium pyruvate, and HEPES. Additionally, the glucose levels have been raised to 4500 mg/L, contributing to the name "DMEM-high".

### **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 2 - 8°C. Protect from light.

### **Shipping**

Gel ice.

### **References**

1. Dulbecco, R. and Freeman, G. (1959). Plaque Production by the Polyoma Virus. *Virology*. 8, 396-397.
2. Morton, H.J., (1970). A Survey of Commercially Available Tissue Culture Media. *In Vitro*. 6, 89.

*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.*