



**Media 199**  
**with Earle's salts and L-Glutamine**  
**(M199)**  
Catalog # 09111

**Product Description**

Media 199 with Earle's salts and L-Glutamine (M199) were originally developed for nutritional studies of chick embryo fibroblasts and formulated as a completely defined media for the culture of primary explants. The medium can be used with serum for growth of a broad range of cells, particularly non-transformed cells and are widely used for vaccine production, primary pancreatic explants, and lens tissues. Media 199 is formulated with either Earle's salts or Hank's salts. Media utilizing Earle's salts are buffered with a bicarbonate/carbonic acid system and will maintain pH in a CO<sub>2</sub> incubator. Use of Earle's salts in atmosphere conditions will result in the rapid rise in pH of the culture medium.

**Product Use**

M199 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.*