

Catalog Number:

B84010

PRODUCT DESCRIPTION

Pyruvate is involved with amino acid metabolism and initiates the Krebs's cycle. Sodium pyruvate can be used by cells as a readily accessible carbon source for energy production and other critical metabolic pathways, by passing the need to produce it biosynthetically from glucose or amino acids. Some cell lines require the addition of pyruvate to the culture media since they lack the ability to convert glucose or amino acids into pyruvate.

The MEM Sodium Pyruvate Solution is supplied as a 100 mM (11.0 g/L) solution. Once diluted in medium, it supplies the amount of pyruvate found in MEM culture media. The recommended use concentration for this MEM Sodium Pyruvate Solution in culture media is 10 mL/L.

STORAGE AND HANDLING

The MEM Sodium Pyruvate Solution is supplied in gamma irradiated, sterile PETG or PETE bottles. We recommend that the MEM Sodium Pyruvate Solution be stored refrigerated at a temperature of 2-8 °C. Always use aseptic techniques when handling the MEM Sodium Pyruvate Solution.

PRECAUTION

When handling bio-hazardous materials such as human cells, safe laboratory procedures should be followed, and personal protective equipment should be worn.

LIMITATIONS

- FOR LABORATORY RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
- The safety and efficacy of this product in diagnostic or other clinical uses has not been established.
- Results may vary due to variations among tissue/cells derived from different donors or sources.