Three Germ Layer Differentiation Medium (Catalog# TBS8010)

For ectoderm, endoderm, and mesoderm from ES cells

DESCRIPTION

Embryonic stem (ES) cells are pluripotent cells derived from the inner cell mass of the blastocysts. Two distinctive properties distinguish ES cells: their pluripotency and their capacity for self-renewal under defined conditions. They are pluripotent in that they are able to differentiate into all derivatives of the primary germ layers, including ectoderm, endoderm, and mesoderm, thus generating every cell type in the body.

Tribioscience's Three Germ Layer Differentiation Medium is used for three germ layer differentiation from mouse embryonic fibroblasts.

APPLICATIONS

Used for mouse germ layer differentiation from ES cells.

KEY FEATURES

- Three germ layer differentiation
- High germline transmission efficiency.

UNIT SIZE:

500mL/each

STORAGE CONDITIONS

The product can be stored for 1 year from the date of manufacture between - 20°C to - 80°C. Do NOT store in an auto-defrost or frost-free freezer.

SHIPPING

Shipped on dry ice. Place in < -20ºC upon receiving.

DIFFERENTIATION PROCEDURE

For 2D cultures, ESCs were seeded on gelatinized plates at 10^6 cells/cm^2. The Three Germ Layer Medium is used for cell growth and differentiation.

For 3D Cultures, ESCs are seeded into atelocollagen sponges.

The cells are incubated for 5 days in the medium. The culture medium is changed every day.

For *in vitro* research use only

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