

For ES cell culture and growth under undifferentiated status

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 Complete ES Cell Medium is ready to use medium formulated with 15% fetal bovine serum (FBS), mouse leukemia inhibitory factor (LIF), and other components. used for human and mouse embryonic cell culture, maintenance, and growth.

APPLICATIONS

Used for mouse ES cell culture as a complete medium

KEY FEATURES

- Keep mouse ES cells under an undifferentiated state.
- 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 < -20°C upon receiving.

Cell Culture Procedures

For 2D cultures, ESCs were seeded on gelatinized plates at 10⁶ cells/cm². The ES Cell Medium is used for cell growth and maintenance.

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