

Tribo™ Human ES and iPS Complete Cell Medium (Catalog# TBS8064)*Feeder-free, animal component-free culture medium for maintenance of human ES and iPS cells***DESCRIPTION**

Tribo™ Human ES and iPS Complete Cell Medium is a chemically defined, feeder-free, animal component-free culture medium for human embryonic stem (ES) cells and human induced pluripotent stem (iPS) cells. This medium is formulated and optimized in our iPS cell system. It contains an essential set of the components required for maintenance of human ES and iPS cells, providing a simpler medium for the culture of pluripotent stem cells. This medium can be used with Corning® Matrigel® hESC-Qualified Matrix as the culture matrix.

The medium is a complete medium, which can be directly used tested in a culture assay using human pluripotent stem cells.

PACKAGE SIZE AND STORAGE

Product	Cat. No.	Size	Storage	Shelf Life
Complete Medium	TBS8064	100 ml	-20°C	12 months

* Avoid freeze and thaw

APPLICATIONS

Suitable for the growth and maintenance of human ES and iPS cells.

KEY FEATURES

- Complete, Serum-free.
- All required growth factors and supplements included in the medium.
- Does not contain antibiotics.

DIRECTIONS FOR USE

The following example are for passaging cells from one well of a 6-well plate. If preparing other amounts, adjust accordingly.

The complete medium is stable for 2 weeks at 2-8°C. Alternatively, aliquot and store at -20°C for up to 6 months.

1. At least 1 hour before passaging, coat new plates with Corning® Matrigel®.
2. Aliquot sufficient complete medium and warm to room temperature (15 - 25°C). *Note: Do not warm the medium in a 37°C water bath.*

3. Wash cells twice with 1 mL of PBS/EDTA medium and aspirate. *Note: There is no need to remove regions of differentiated cells.*
4. Add 1 mL of PBS/EDTA into each well, Incubate at 37°C for 5 minutes and aspirate.
5. Add 1 mL of the complete medium into each well.
6. Detach the colonies by placing the plate on a plate, and vortexes for 2 - 3 minutes at room temperature (15 - 25°C). Alternatively, hold the plate with one hand and use the other hand to firmly tap the side of the plate for approximately 30 - 60 seconds.
7. Transfer the detached cell aggregates to a 15 mL conical tube.
8. Plate the cell aggregate mixture at the desired density onto pre-coated wells containing the complete medium.
9. Place the plate in a 37°C incubator. Move the plate in several quick, short, back-and-forth and side-to-side motions to evenly distribute the cell aggregates.
10. Perform daily medium changes using Tribo™ Human ES and iPS Cell Medium and visually assess cultures to monitor growth until the next passaging time.

RELATED PRODUCTS

DMEM-high Glucose (TBS8061-500ML)
 Tribo™ MSC Medium(TBS8021)
 Tribo™ MSC Prime Medium (TBS8022-01)
 Tribo™ Cardiomyocyte Differentiation Kit (TBS8023)
 Tribo™ Human iPS Growth Medium (TBS8024)
 0.1% Gelatin Solution (TBS8004)

This product is for in vitro research use only and is not intended for use in humans or animals.