

ReproTeSR™

Reprogramming medium for human iPS cell induction

Catalog #05926

500 mL Kit



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Product Description

ReproTeSR™ is a complete and xeno-free reprogramming medium developed for generating human induced pluripotent stem (iPS) cells from fibroblasts, urine-derived cells, and blood-derived cells such as CD34+ or erythroid precursor cells under feeder-free conditions.

This medium is recommended for use during the induction phase of reprogramming and may be used with Corning® Matrigel® hESC-Qualified Matrix (Corning Catalog #354277).

Easy to identify and select colonies

- Pre-screened components ensure high quality of iPS cell colony morphology for improved manual selection

Rapid subcloning

- Large colony size and reduced differentiation enable rapid establishment of homogeneous iPS cell cultures

Reproducible efficiency

- Feeder-free, defined formulation facilitates reproducibly efficient human iPS cell generation

Product Information

The following components are sold as a complete kit (Catalog #05926) and are not available for individual sale.

COMPONENT NAME	COMPONENT #	SIZE	STORAGE	SHELF LIFE
TeSR™-E7™/ReproTeSR™ Basal Medium	05919	480 mL	Store at 2 - 8°C.	Stable until expiry date (EXP) on label.
ReproTeSR™ 25X Supplement*	05928	20 mL	Store at -20°C.	Stable until expiry date (EXP) on label.

*This product contains material derived from human plasma. Donors have been tested and found negative for HIV-1 and -2, hepatitis B, and hepatitis C prior to donation. However, this product should be considered potentially infectious and treated in accordance with universal handling precautions.

Preparation of Complete ReproTeSR™ Medium

Use sterile techniques when preparing complete ReproTeSR™ medium (Basal Medium + 25X Supplement).

The following example is for preparing 500 mL of ReproTeSR™ medium. If preparing other volumes, adjust accordingly.

1. Thaw 25X Supplement at room temperature (15 - 25°C) or at 2 - 8°C.

NOTE: Once thawed, use immediately or aliquot and store at -20°C. Do not exceed the expiry date as indicated on the label. After thawing the aliquots, use immediately. Do not re-freeze.

2. Add 20 mL of 25X Supplement to 480 mL of Basal Medium. Mix thoroughly.

NOTE: If prepared using sterile techniques, complete ReproTeSR™ medium is ready for use and does not require filtering. If not used immediately, store complete ReproTeSR™ medium at 2 - 8°C for up to 2 weeks. Alternatively, aliquot and store at -20°C for up to 1 month. Do not exceed the shelf life of the individual components. After thawing complete medium, use immediately or store at 2 - 8°C for up to 2 weeks. Do not re-freeze.

Directions for Use

Protocols for reprogramming various cell types are described in the documents listed below, available at www.stemcell.com or contact us to request a copy.

Erythroid progenitor cells

Technical Manual: Integrated Workflow for the Isolation, Expansion, and Reprogramming of Erythroid Progenitor Cells (Document #29795)

CD34+ progenitor cells

Technical Manual: Integrated Workflow for the Isolation, Expansion, and Reprogramming of CD34+ Progenitor Cells (Document #29801)

Fibroblasts

Product Information Sheet for ReproRNA™-OKSGM Kit (Document #DX20362)

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