

# TeSR™-E6

## Defined, Serum-Free, Xeno-Free Medium

Catalog #05946

500 mL Kit



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FOR RESEARCH USE ONLY. NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES.

## Product Description

TeSR™-E6 is a defined, serum- and xeno-free medium that is based on the formulation of TeSR™-E8™, but does not contain transforming growth factor  $\beta$  (TGF- $\beta$ ) or basic fibroblast growth factor (bFGF). It may be used as a basal medium for differentiation of human embryonic stem (ES) cells and induced pluripotent stem (iPS) cells, or other applications where removal of the above cytokines is desirable.

## Product Information

The following components are sold as a complete kit (Catalog #05946) and are not available for individual sale.

COMPONENT NAME	COMPONENT #	SIZE	STORAGE	SHELF LIFE
TeSR™-E5/E6 Basal Medium	05947	475 mL	Store at 2 - 8°C.	Stable for 12 months from date of manufacture (MFG) on label.
TeSR™-E6 20X Supplement	05948	25 mL	Store at -20°C.	Stable for 12 months from date of manufacture (MFG) on label.

Please refer to the Safety Data Sheet (SDS) for hazard information.

## Preparation of Complete TeSR™-E6 Medium

Use sterile techniques to prepare complete TeSR™-E6 medium (Basal Medium + 20X Supplement). The following example is for preparing 500 mL of complete medium. If preparing other volumes, adjust accordingly.

1. Thaw 20X Supplement at room temperature (15 - 25°C) or overnight at 2 - 8°C. Mix thoroughly.

NOTE: Once thawed, use within 1 day or aliquot and store at -20°C. Do not exceed the shelf life of the supplement. After thawing the aliquots, use immediately. Do not re-freeze.

2. Add 25 mL of 20X Supplement to 475 mL of Basal Medium. Mix thoroughly.

NOTE: If prepared using sterile techniques, complete TeSR™-E6 medium is ready for use and does not require filtering. If not used immediately, store complete TeSR™-E5 medium at 2 - 8°C for up to 2 weeks or at -20°C for up to 1 month. Thaw complete TeSR™-E6 medium at room temperature (15 - 25°C) or overnight at 2 - 8°C. Do not re-freeze.

## Directions for Use

TeSR™-E6 medium can be used as a basal medium for a variety of human ES and iPS cell protocols. For example, it can be used as a basal medium for differentiation protocols, screening assays and other applications where TGF- $\beta$  and bFGF are not desired. Customers should add appropriate cytokines and growth factors for their specific applications. For applications where insulin is not desired, TeSR™-E5 may be used.

TeSR™-E6 is not suitable for maintenance of human ES and iPS cells or reprogramming to iPS cells. Fully optimized media should be used for maintenance of human ES and iPS cells (TeSR™-E8™, mTeSR™1 or TeSR™2) and reprogramming to human iPS cells (TeSR™-E7™ or ReproTeSR™). For complete instructions on using these media, please refer to the corresponding documents listed in the table on Page 2. Documents are available on our website at [www.stemcell.com](http://www.stemcell.com) or contact us to request a copy.

PRODUCT	CATALOG #	DOCUMENT #
mTeSR™1	05850/05857/05870/05875	29106
TeSR™2	05860/05880	29106
TeSR™-E8™	05940	29267
TeSR™-E7™	05910	28051
TeSR™-E5	05916	28058
ReproTeSR™	05920	DX20217

THIS PRODUCT IS MANUFACTURED AND CONTROLLED UNDER A QUALITY MANAGEMENT SYSTEM CERTIFIED TO ISO 13485 MEDICAL DEVICE STANDARDS.

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