

Product Name: CEPT Cocktail Kit

Catalog No.: 7991

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1. Material Provided

Component	Quantity/Amount	Storage
Chroman 1	1 Vial	Store at -20°C
trans-ISRIB	1 Vial	Store at +4°C
DMSO, sterile filtered	1 Vial	Store at RT
Emricasan	1 Vial	Store at -20°C
Polyamine Supplement x1000 (lyophilized)	1 Vial	Store at -20°C

2. Description

The CEPT Cocktail Kit is an easy-to-use kit that consists of [Chroman 1](#) (Cat. No. 7163), [Emricasan](#) (Cat. No. 7310), [Polyamine Supplement](#) (Cat. No. 7739), [trans-ISRIB](#) (Cat. No. 5284) and [DMSO](#) (Cat. No. 3176). It contains sufficient material for the preparation of 5 L of cocktail and sterile-filtered DMSO for reconstitution. The CEPT Cocktail is a cell culture supplement for improving the survival of self-renewing pluripotent stem cells and their differentiated progeny in stem cell research. It can be used for routine long-term passaging, cryopreservation, single-cell cloning, and organoid formation.

Please refer to the [protocol](#) for further information.

3. Stability

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 3 months. Wherever possible solutions should be made up and used on the same day.

4. Quality Control

We certify that QC results of these reagents meet our quality release criteria.

5. Usage

Some components of this kit are supplied in lyophilized form. They may appear as a solid, gel or film and be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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6. References

Tristan *et al* (2023) Efficient and safe single-cell cloning of human pluripotent stem cells using the CEPT cocktail. *Nat.Protoc.* **1** 58. PMID: 36261632.

Chen *et al* (2021) A versatile polypharmacology platform promotes cytoprotection and viability of human pluripotent and differentiated cells. *Nat.Methods.* **5** 528. PMID: 33941937.

Tristan *et al* (2021) Robotic high-throughput biomanufacturing and functional differentiation of human pluripotent stem cells. *Stem Cell Reports* **12** 3076. PMID: 34861164.

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