

CEPT Cocktail Kit (Ready-to-use type)

Cat:IKC1032-2

Storage: -20°C, 6 months

Introduction

CEPT Cocktail contains three small molecule compounds, Chroman 1, Emricasan, and Trans-ISRIB, paired with a Polyamine Solution that reduces cellular stress and dramatically improves the survival of multipotent stem cells and promotes their clonal growth. In addition, CEPT Cocktail has been shown to improve routine cell passaging, ultra-low temperature preservation of pluripotent differentiated cells, and embryoid and organoid formation.

Kit Components

Kit components	Size	Storage
Reagent I 10,000× Chroman 1	3*1.5mL	-20°C
Reagent II 10,000× Emricasan	70μL	-20°C
Reagent III 10,000× Trans-ISRIB	600μL	-20°C
Reagent IV 1000× Polyamine Solution	1mL	-20°C

Notes

- Reagent I, Reagent II, and Reagent III are 10,000 x stock solution, and Reagent IV is 1,000 x stock solution.
- Before use, please centrifuge each tube of small dose reagent instantaneously to avoid loss.
- This product is for scientific research use only. Do not use in medicine, clinical diagnosis or treatment, food and cosmetics. Do not store in ordinary residential areas.
- For your safety and health, please wear a lab coat and operate with disposable gloves and mask.

Protocols (only for reference)

- Before use, mix Reagent I, Reagent II and Reagent III stock solution with cell culture medium at a ratio of 1:10,000. For example, add 1 μL of each compound to every 10 mL of hPSC cell culture medium.

Reagents	Concentration of reserve solution	Operating concentration
Reagent I 10,000× Chroman 1	0.5 mM	50 nM
Reagent II 10,000× Emricasan	50 mM	5 μM
Reagent III 10,000× Trans-ISRIB	7 mM	0.7 μM

- Add 10 μL of 1,000× Polyamine Solution to every 10 mL of hPSC cell culture medium.
- Filter the prepared medium through a 0.22 μm membrane to remove bacteria. The prepared

culture medium is recommended to be used as soon as possible and is not recommended to be stored for a long period of time.

Related Products

IK-LIN-7 Lipogenesis-inducing Small Molecule Compound Kit-7 (ready-to-use, containing saturated oil red O)

IK-OIN-5 Osteoinductive Small Molecule Compound Kit-5 (ready-to-use, contains Alizarin Red Stain and 10% CPC)

IK-CHD-3 Chondrogenic Small Molecule Compound Kit (ready-to-use, contains Alisin Blue)

IKC1010-1 Gastric Cancer Organoid Growth Medium Kit

IKC1020-1 Human Small Cell Lung Cancer Organoid Culture Kit