

Certificate of Analysis

www.tocris.com

Product Name: Polyamine Supplement x1000 (lyophilized)

Catalog No.: 7739

Batch No.: 5

1. PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance: White lyophilised solid

Storage: Store at -20°C

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

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Product Name: Polyamine Supplement x1000 (lyophilized)**Catalog No.:** 7739**Batch No.:** 5**Description:**

Polyamine Supplement x1000 (lyophilized) is a media supplement comprising a lyophilized mixture of Putrescine, Spermine (Cat. No. 0958) and Spermidine. The product is used as a component of the CEPT cocktail, in combination with Emricasan (Cat. No. 7310), Chroman 1 (Cat. No. 7163) and trans-ISRIB (Cat. No. 5284) to enhance viability of human pluripotent stem cells (hPSCs) and their differentiated progeny. Polyamine Supplement x1000 (lyophilized) also improves survival of pluripotent and differentiated cells during cryopreservation, organoid formation, single-cell cloning, and genome editing. NOTE: This reagent is provided lyophilized. To ... Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

Physical Appearance: White lyophilised solid

References:

Chen *et al* (2021) A versatile polypharmacology platform promotes cytoprotection and viability of human pluripotent and differentiated cells. *Nat.Methods* **18** 528. PMID: 33941937.

Storage: Store at -20°C**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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 1 month. Wherever possible solutions should be made up and used on the same day.

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