

[Protocol 1.08] Preparation of mTeSR1 medium

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No tags associated

Created: 20.12.2021 18:55
Last modified: 23.03.2023 16:50

No custom dates added

Protocol 1.08 Preparation of mTeSR1 medium

Version: 1.0 (23.03.2023)

Media and Reagents:

mTeSR™1 Complete Kit (Stem Cell Technologies #85850)

- mTeSR™1 Basal Medium, 400 mL
- mTeSR™1 5X Supplement, 100 mL

Materials and Equipment:

50 ml pipettes
50 ml Falcon tube

1. Introduction and Purpose

This protocol describes how to prepare and aliquote mTeSR1 media for chimpanzee iPSCs

2. Procedure

1. Thaw the mTeSR™1 5X supplement at 4°C overnight

Note: Do not thaw it in the water bath **critical for growth factors**

2. Pipette 100 ml of the mTeSR™1 5X supplement into 400 ml of mTeSR™1 basal medium

3. Close the lid tightly and invert slowly the bottle

4. Aliquote 45 ml of mTeSR™1 into a labeled 50 ml Falcon tube (x11)

Note: Label should contain product name/volume of the medium/LOT & CAT number/date of aliquote/who aliquoted

5. Store aliquots at -20°C

3. Procedure - Use

1. Thaw one aliquot at 4°C overnight

Note: Do not thaw it in the water bath **critical for growth factors**

Note: Label when the aliquot is thawed with the name of person who thawed

Note: Label when the aliquot is opened with the name of person who opened

Note: DO NOT FREEZE AGAIN!