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PRODUCT DATA SHEET

Cryopreserved Mouse Splenocyte

Product: Mouse Splenocyte

Cat no: 3H2000-25/3H2000-50

Source: Mouse Spleen

Unit Size: 25 million/50 million cells per vial

Storage: <-135°C

Cell Specification

Mouse splenocytes are isolated from mouse spleen of single cell suspension. Each vial contains cells that have been cryopreserved in a medium containing 10% DMSO, FBS and cell culture medium.

Cell Source

Mouse Spleen

Cell Characterization

Mouse splenocytes are characterized with antibodies against CD3, NK , B220 and CD11b using FACS analysis.

Mouse splenocyte is negative for mycloplasma, bacteria and fungi.

Cell Culture Conditions

Cells are cryopreserved immediately after isolation. Mouse splenocytes are guaranteed to grow in culture conditions provided in “Instruction for use”.

Recommended Cell Culture Medium

Mouse Splenocyte Medium with supplements

(Cat no. 3H800-2-45)

Cell Culture Reagents

Cell thawing Medium (Cat. No. 3H610-10-30)

2012 v1

This product is for reasearch use only. Not approved for human use.

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INSTRUCTION FOR USE

Cryopreserved Mouse Splenocyte

IMPORTANT: Cryopreserved cells are very delicate. Thaw the vial in a 37°C water bath and return them to culture as quickly as possible with minimal handling.

Unpacking and Storage Instructions

1. Upon arrival, check the cryovial for signs of damage.

2. Cryovial should be transferred from dry ice immediately to a deep freezer (-135°C or liquid nitrogen storage) or to be thawed according to the protocol stated below.

Thawing of cryopreserved cells

1. Before thawing the cells, prepare a 37°C water bath and equilibrate cell thawing medium (Cat. No. 3H610-10-30) at room temperature and equilibrate Cell Culture medium (3H800-2-45) in cell culture incubator (37°C, 5 % CO_2)

2. Transfer cryovial from storage place in dry ice or in liquid nitrogen. Protect hands and eyes.

3. Wipe cryovial with 70 % ethanol. In order to release the pressure, briefly twist the cap a quarter turn, then retighten.

4. Quickly thaw the cryovial in a 37°C water bath until a small piece of ice is left. Clean and wipe the outside of cryovial with 70 % ethanol.

5. Within a laminar flow hood, transfer 1 ml cell thawing medium into cryovial and mix carefully.

6. Slowly add cell suspension drop wise into the conical tube containing 30 ml cell thawing medium and rinse the cryovial with 1 ml cell thawing medium.

7. Centrifuge at 250xg (1000 rpm), at room temperature for 10 minutes.

Set Up of Culture

8. Remove aseptically the supernatant and re-suspend the cells in equilibrated cell growth medium, 10 ml.

9. Using a hemacytometer and 0,02% trypan blue solution, determine the number of viable cells and cell concentration.

10. Culturing cells in cell incubator at 37°C, 5 % CO_2. Optimal cell density is 1 million to 2 million cells per ml.

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