

Product sheet

Sp2/0-Ag14 | 400481

Sp2/0-Ag14

Culture Medium DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO₃, w: 1.0 mM β-mercaptoethanol (Cytion 820300a)

Supplements 10% FBS

Subculturing Cells are detached using trypsin-EDTA solution. Cells are resuspended in PBS and seeded into new flasks (3-5 × 10⁶ cells per flask).

Seeding density 1 × 10⁶ cells per flask

Fluid renewal 2-3 times per week

Freeze medium DMEM, 10% FBS, 10% DMSO

- Thawing and Culturing Cells**
1. Thaw the vial in a 37°C water bath.
 2. Dilute the cells into 10 ml of DMEM with 10% FBS.
 3. Seed the cells into a T25 flask.
 4. Allow the cells to attach for 24 hours.
 5. Remove the medium and replace with fresh DMEM with 10% FBS.
 6. Harvest cells when they reach 70-80% confluency.
 7. Wash cells with PBS.
 8. Detach cells using trypsin-EDTA.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating Not required

Sp2/0-Ag14 | 400481

Freezing Procedure

Freeze the cells in a cryovial containing 1 ml of freezing medium. Store the cryovial at -78°C.

Shipping Conditions

Store the cells at -78°C during shipping.

Storage Conditions

Store the cells at -150 to -196°C in a cryovial.

Genotype / HLA

Sterility

The cells are PCR negative for Mycoplasma contamination.

The cells are negative for Mycoplasma, Brevibacterium, and other contaminants.

STR

- Amelogenin: x,x
- M_18-3: 17, 18, 19, 20
- M_4-2: 21
- M_6-7: 12,13
- M_3-2: 13, 14, 15
- M_19-2: 12,13
- M_7-1: 24.2, 25.2
- M_1-1: 16, 17, 19
- M_8-1: 13
- M_2-1: 15,16
- M_15-3: 21.3, 23.3
- M_6-4: 18,19
- M_11-2: 17
- M_1-2: 16,17
- M_17-2: 16
- M_12-1: 15,16
- M_5-5: 14,15
- M_X-1: 25,26
- M_13-1: 16.2, 17.2, 18.2
- Human D4/D8: -