

Product sheet

CLS-145 | 300180

General Information

Description	CLS-145
Organism	
Tissue	
Disease	
Synonyms	CLS145

Cellular Characteristics

Age	70
Gender	
Ethnicity	
Morphology	
Growth properties	

Identification

Citation	CLS-145 (Cytion 300180)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_5727

Protein Expression

Protein expression	P53
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Tumorigenic Yes, tumorigenic (approx 20-30%)

Karyotype 46, XY, 109-110

CLC

Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/L, w: 2.5 mM L-Ascorbic acid, w: 15 mM HEPES, w: 0.5 mM beta-mercaptoethanol, w: 1.2 g/L NaHCO3 820400a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Doubling time 36 hours

Subculturing Cells are detached using trypsin and seeded into T25 flasks. After 3-5 days in primary culture, cells are passaged into secondary culture flasks.

Seeding density 1 x 10⁴ cells per flask

Fluid renewal 2-3 times per week

Post-Thaw Recovery After thawing, cells are seeded into flasks and allowed to recover for 24 hours.

Freeze medium Cells are frozen in DMEM supplemented with 10% FBS and 10% DMSO.

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 µl of medium. Seed the cells into a 96-well plate.
3. Incubate the cells at 37°C with 5% CO₂ in a humidified atmosphere. The cells should reach a density of approximately 70% confluency.
4. Harvest the cells using a pipette. The cells should be harvested into a 1.5 ml microcentrifuge tube.
5. Store the cells at -150°C in a liquid nitrogen storage container. The cells can be stored for up to 12 months.
6. Thaw the cells rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
7. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 µl of medium. Seed the cells into a 96-well plate.
8. Incubate the cells at 37°C with 5% CO₂ in a humidified atmosphere. The cells should reach a density of approximately 70% confluency.

Incubation Atmosphere 37°C, 5% CO₂, humidified atmosphere

Flask Coating Not required

Freezing Procedure Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 µl of medium. Seed the cells into a 96-well plate. Incubate the cells at 37°C with 5% CO₂ in a humidified atmosphere. The cells should reach a density of approximately 70% confluency.

Shipping Conditions The cells should be shipped at -150°C in a liquid nitrogen storage container. The cells can be shipped for up to 12 months.

Storage Conditions The cells should be stored at -150°C in a liquid nitrogen storage container. The cells can be stored for up to 12 months.

HLA

Sterility The cells are provided in a sterile, single-use vial. The cells are free of mycoplasma contamination. The cells are free of endotoxins. The cells are free of other contaminants.

██████ CLS-145 | 300180

██████ HLA

A*: 01:01:01
B*: '35:03:01
C*: 04:01:01
DRB1*: '01:01:01, '13:01:01
DQA1*: '01:01:01, '01:03:01
DQB1*: '05:01:01, '06:03:01
DPB1*: '04:01:01G, '06:01:01G
E: 01:01:01