

FS-C57BL | 400420

Product Information

Description FS-C57BL is a mouse strain derived from C57BL/6J, characterized by its homozygous recessive mutation in the *Agouti* gene, resulting in a black coat color. It is commonly used in genetic and biomedical research.

Organism Mouse

Tissue Blood

Disease None

Genetic Information

Breed/Subspecies C57BL/6J

Gender Male

Cell type Fibroblasts

Growth properties Adherent

Identification

Citation FS-C57BL (Cytion 400420)

Biosafety level 1

NCBI_TaxID 10090

CellosaurusAccession CVCL_5756

Media and Reagents

Culture Medium

RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a)

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Supplements	10% FBS
Dissociation Reagent	
Subculturing	1. Add 1 ml of PBS to each well. 2. Add 1 ml of Trypsin-EDTA to each well. 3. Incubate at 37°C for 5 minutes. 4. Add 1 ml of PBS to each well. 5. Pipette up and down to dissociate cells. 6. Centrifuge at 300 x g for 3 minutes. 7. Resuspend in 10 ml of PBS. 8. Count cells and seed into new wells.
Seeding density	1×10^4 cells per well
Fluid renewal	2-3 times per week
Post-Thaw Recovery	24 hours
Freeze medium	DMEM + 10% FBS + 10% DMSO
Thawing and Culturing Cells	<ol style="list-style-type: none">1. Thaw vials in a 37°C water bath.2. Dilute cells into 10 ml of DMEM + 10% FBS.3. Centrifuge at 300 x g for 3 minutes.4. Resuspend in 700 µl of DMEM + 10% FBS.5. Seed cells into wells at 1.5×10^4 cells per well.6. Incubate at 37°C for 24 hours.7. Add 10 µl of penicillin-streptomycin.8. Add 10 µl of insulin-transferrin-selenium.
Incubation Atmosphere	37°C, 5% CO ₂

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Flask Coating
The flask is coated with a special material to ensure optimal cell attachment and growth.

Freezing Procedure
The cells should be frozen in a controlled manner at -78°C.

Shipping Conditions
The cells should be shipped at -78°C.

Storage Conditions
The cells should be stored at -150 °C for up to 196 days.

HLA

Sterility
The cells are sterile and free of mycoplasmas. They are suitable for PCR and other applications.