

FRhK-4 | 305151

General information

Description	FRhK-4 is a continuous cell line derived from a Rhesus monkey (Macaca mulatta). It is a fibroblast cell line that is highly proliferative and can be maintained in culture for many passages. FRhK-4 cells are typically grown in DMEM supplemented with 10% FBS. The cells are highly sensitive to trypsin and can be easily passaged. FRhK-4 cells are also highly sensitive to viral infection and are commonly used for the study of viral replication and host cell interactions.
Organism	Rhesus monkey
Tissue	Fibroblast
Synonyms	FRHK-4, Frhk-4, FRhK4, Rhesus-4

Characteristics

Age	Adult
Gender	Male
Morphology	Fibroblast
Growth properties	Highly proliferative

Identification and documentation

Citation	FRhK-4 (Cytion 305151)
Biosafety level	1
NCBI_TaxID	9544
CellosaurusAccession	CVCL_4522

Additional information

References

Product sheet

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Culture Medium	DMEM, w: 4.5 g/L β -glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO ₃ , w: 1.0 mM β -mercaptoethanol (Cytion 820300a)
Supplements	10% FBS
Dissociation Reagent	TrypLE™ Express Enzym
Subculturing	Cells are grown in 25 cm ² flasks in DMEM supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. For passage 3, cells are seeded into 25 cm ² flasks in DMEM supplemented with 10% FBS.
Fluid renewal	2-3 times per week
Freeze medium	DMEM supplemented with 10% FBS and 10% DMSO
Thawing and Culturing Cells	1. Thaw cells quickly in a water bath at 37°C. 2. Dilute cells in DMEM supplemented with 10% FBS. 3. Seed cells into a 25 cm² flask. 4. Incubate cells in a CO₂ incubator at 37°C. 5. Monitor cell growth and confluency. 6. Perform subculturing when cells reach 80-90% confluency. 7. Use cells for experiments when they are in the exponential growth phase. 8. Store cells in liquid nitrogen for long-term storage.
Incubation Atmosphere	37°C, 5% CO ₂
Flask Coating	Not required
Freezing Procedure	Cells are grown in 25 cm ² flasks in DMEM supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. For passage 3, cells are seeded into 25 cm ² flasks in DMEM supplemented with 10% FBS.

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Shipping
Conditions

Die Probe sollte bei -78°C transportiert werden.

Storage
Conditions

Die Probe sollte bei -150 bis -196°C gelagert werden.

Die Probe ist für die PCR geeignet.

Sterility

Die Probe ist steril und kann direkt für die PCR verwendet werden.
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