Human Gingival Fibroblasts (hGF)

300703

GENERAL INFORMATION

Description

[illegible] (hGF) [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] hGF [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] hGF [illegible] [illegible] [illegible] [illegible]

[illegible] hGF [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] *Porphyromonas gingivalis* [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Tissue	[illegible]

Applications

[illegible], [illegible]

Synonyms

- HGF
- HFIB-G
- Human fibroblasts
- gingiva
- provitro 1210412

DONOR

Donor age	Lot-specific (see CoA)
Ethnicity	Lot-specific (see CoA)

CLASSIFICATION

Organism	Human
Sex	Lot-specific
Growth properties	Adherent
Biosafety level	1

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BIC: SOLADES1HDB

CHARACTERISTICS

Morphology	Spindle-shaped (fibroblast-like)
Cell type	□□□□□□□□□□□
Tumourigenic	No

HANDLING AND CULTURE

Culture medium

DMEM:Ham's F12 (1:1), w: 3.1 □□□□/□□□□ □□□□□□, w: 2.5 □□□□□□□□□□□ L-□□□□□□□□□, w: 15 □□□□□□□□□□□ HEPES, w: 0.5 □□□□□□□□□□□ □□□□□□□□□□□□□□□, w: 1.2 □□□□/□□□□ NaHCO3 (□□□□□□□□□□□□□ Cytion 820400a)

Incubation atmosphere	37°C, 5%CO2, □□□□□□□□□□□□

Supplements

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Dissociation reagent	□□□□□□□□

Subculturing

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Seeding density	More than 4,000 cells/cm²
Fluid renewal	24 hours after seeding, then every 48 to 72 hours
Post-thaw recovery	Post-thaw viability ≥ 70 % viable cells. More than 80 % confluence within the expected recovery period.

Thawing and culturing

Thaw the cryovial quickly in a 37 °C water bath, swirling gently. Just before the last ice has melted, move the vial to a laminar flow hood and decontaminate its outer surface.

Transfer the cell suspension into a 15 ml centrifuge tube, add 10 ml of Fibroblast Growth Medium and centrifuge at 250 × g for 5 minutes.

Remove the supernatant and resuspend the cell pellet in 10 ml of Fibroblast Growth Medium. Check cell number and viability.

Divide the suspension between two 25 cm² culture flasks (5 ml each). Using two flasks reduces the risk of losing all cells if a passage fails.

Incubate at 37 °C, 5 % CO_2 and saturated humidity, with the screw caps opened by half a turn for gas exchange.

Change the medium after 24 hours to remove unattached cells, then every 48 to 72 hours, using pre-warmed medium only.

Subculture the cells at about 75 % confluence. Denser cultures undergo irreversible contact inhibition and stop proliferating. Use the subculture reagents recommended on the certificate of analysis.

Recommended seeding density: more than 4,000 cells/cm².

QUALITY CONTROL AND CRYOPRESERVATION

Sterility

□□□ PCR □□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□

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Freeze medium	[illegible] FBS 90% + DMSO 10% [illegible] CM-1 ([illegible] Cytion 800100) [illegible]

Storage conditions

[illegible] −150 [illegible] −196 °C [illegible] −80 °C [illegible]

Shipping conditions

[illegible] −78 °C [illegible]

IDENTIFIERS

Citation

[illegible] (hGF) ([illegible] Cytion 300703)

NCBI TaxID	9606

LEGAL AND SAFETY

Safety precautions

[illegible]

Warranty

[illegible]Cytion [illegible]
[illegible]
60 [illegible]
[illegible]
[illegible]/[illegible]
[illegible]
<a href=""/Who-we-are/Warranty/"" hreflang=""x-default"">[illegible].

Material Transfer Agreement required	Yes