

Product sheet

**HFL1 | 305065**

**General Information**

**Description** HFL1, human fibroblast-like cells, derived from human foreskin, used for cell culture and research. HFL1 cells are characterized by their fibroblastic morphology and ability to form colonies in culture. HFL1 cells are commonly used in cell biology and tissue engineering studies.

**Organism** Human

**Tissue** Skin

**Synonyms** HFL-1, HFL 1, HFL1, HFL1, HFL1

**Characteristics**

**Age** Adult

**Gender** Male

**Morphology** Fibroblastic

**Growth properties** Adherent

**Identification**

**Citation** HFL1 (ATCC CCL-24) Cytion 305065

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_0298

**Additional Information**

**References**

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**Culture Medium** Ham's F12K Medium, w: 2.0 mM L-Glutamine, w: 2.0 mM Sodium pyruvate, w: 2.5 g/L NaHCO3 (Cytion 820608a)

**Supplements** 10% FBS

**Dissociation Reagent**

**Subculturing** 1. Wash cells with PBS, 2. Add 1 ml of Trypsin-EDTA, 3. Incubate at 37°C for 5 min, 4. Add 1 ml of PBS to stop the reaction, 5. Pipette up and down to dissociate cells, 6. Centrifuge at 300 x g for 3 min, 7. Resuspend in 1 ml of PBS, 8. Count cells and seed into new flasks.

**Fluid renewal** 2 x 3 days

**Freeze medium** 1. Wash cells with PBS, 2. Add 1 ml of Trypsin-EDTA, 3. Incubate at 37°C for 5 min, 4. Add 1 ml of PBS to stop the reaction, 5. Pipette up and down to dissociate cells, 6. Centrifuge at 300 x g for 3 min, 7. Resuspend in 1 ml of PBS, 8. Count cells and seed into new flasks.

- Thawing and Culturing Cells**
1. Thaw vials quickly in a 37°C water bath, 2. Centrifuge at 300 x g for 3 min, 3. Resuspend in 1 ml of PBS, 4. Count cells and seed into new flasks, 5. Wash cells with PBS, 6. Add 1 ml of Trypsin-EDTA, 7. Incubate at 37°C for 5 min, 8. Add 1 ml of PBS to stop the reaction, 9. Pipette up and down to dissociate cells, 10. Centrifuge at 300 x g for 3 min, 11. Resuspend in 1 ml of PBS, 12. Count cells and seed into new flasks.

**Incubation Atmosphere** 37°C, 5% CO2

**Flask Coating**

**Freezing Procedure** 1. Wash cells with PBS, 2. Add 1 ml of Trypsin-EDTA, 3. Incubate at 37°C for 5 min, 4. Add 1 ml of PBS to stop the reaction, 5. Pipette up and down to dissociate cells, 6. Centrifuge at 300 x g for 3 min, 7. Resuspend in 1 ml of PBS, 8. Count cells and seed into new flasks.

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**Shipping Conditions** -78°C

**Storage Conditions**

HLA1, HLA2, HLA3, HLA4, HLA5, HLA6, HLA7, HLA8, HLA9, HLA10, HLA11, HLA12, HLA13, HLA14, HLA15, HLA16, HLA17, HLA18, HLA19, HLA20, HLA21, HLA22, HLA23, HLA24, HLA25, HLA26, HLA27, HLA28, HLA29, HLA30, HLA31, HLA32, HLA33, HLA34, HLA35, HLA36, HLA37, HLA38, HLA39, HLA40, HLA41, HLA42, HLA43, HLA44, HLA45, HLA46, HLA47, HLA48, HLA49, HLA50, HLA51, HLA52, HLA53, HLA54, HLA55, HLA56, HLA57, HLA58, HLA59, HLA60, HLA61, HLA62, HLA63, HLA64, HLA65, HLA66, HLA67, HLA68, HLA69, HLA70, HLA71, HLA72, HLA73, HLA74, HLA75, HLA76, HLA77, HLA78, HLA79, HLA80, HLA81, HLA82, HLA83, HLA84, HLA85, HLA86, HLA87, HLA88, HLA89, HLA90, HLA91, HLA92, HLA93, HLA94, HLA95, HLA96, HLA97, HLA98, HLA99, HLA100

**HLA1 / HLA2 / HLA3 / HLA4 / HLA5 / HLA6 / HLA7 / HLA8 / HLA9 / HLA10 / HLA11 / HLA12 / HLA13 / HLA14 / HLA15 / HLA16 / HLA17 / HLA18 / HLA19 / HLA20 / HLA21 / HLA22 / HLA23 / HLA24 / HLA25 / HLA26 / HLA27 / HLA28 / HLA29 / HLA30 / HLA31 / HLA32 / HLA33 / HLA34 / HLA35 / HLA36 / HLA37 / HLA38 / HLA39 / HLA40 / HLA41 / HLA42 / HLA43 / HLA44 / HLA45 / HLA46 / HLA47 / HLA48 / HLA49 / HLA50 / HLA51 / HLA52 / HLA53 / HLA54 / HLA55 / HLA56 / HLA57 / HLA58 / HLA59 / HLA60 / HLA61 / HLA62 / HLA63 / HLA64 / HLA65 / HLA66 / HLA67 / HLA68 / HLA69 / HLA70 / HLA71 / HLA72 / HLA73 / HLA74 / HLA75 / HLA76 / HLA77 / HLA78 / HLA79 / HLA80 / HLA81 / HLA82 / HLA83 / HLA84 / HLA85 / HLA86 / HLA87 / HLA88 / HLA89 / HLA90 / HLA91 / HLA92 / HLA93 / HLA94 / HLA95 / HLA96 / HLA97 / HLA98 / HLA99 / HLA100**

**Sterility**

HLA1, HLA2, HLA3, HLA4, HLA5, HLA6, HLA7, HLA8, HLA9, HLA10, HLA11, HLA12, HLA13, HLA14, HLA15, HLA16, HLA17, HLA18, HLA19, HLA20, HLA21, HLA22, HLA23, HLA24, HLA25, HLA26, HLA27, HLA28, HLA29, HLA30, HLA31, HLA32, HLA33, HLA34, HLA35, HLA36, HLA37, HLA38, HLA39, HLA40, HLA41, HLA42, HLA43, HLA44, HLA45, HLA46, HLA47, HLA48, HLA49, HLA50, HLA51, HLA52, HLA53, HLA54, HLA55, HLA56, HLA57, HLA58, HLA59, HLA60, HLA61, HLA62, HLA63, HLA64, HLA65, HLA66, HLA67, HLA68, HLA69, HLA70, HLA71, HLA72, HLA73, HLA74, HLA75, HLA76, HLA77, HLA78, HLA79, HLA80, HLA81, HLA82, HLA83, HLA84, HLA85, HLA86, HLA87, HLA88, HLA89, HLA90, HLA91, HLA92, HLA93, HLA94, HLA95, HLA96, HLA97, HLA98, HLA99, HLA100