

PRFT-CELLS-24

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3D FT Starter Kit (With Cells)

Starter kit containing all components necessary for the establishment of 3 dimensional full thickness skin models at the air-liquid interface. The kit includes primary human keratinocytes, primary human dermal fibroblasts, CnT-PR and CnT-PR-F proliferation media, CnT-PR-FTAL5 medium for full thickness air-lift culture, CnT-SP spacer plate and 24 cell culture inserts (0.4 μ m pore size).

The cells are of human origin and should therefore be handled as hazardous. Although it has been tested negative for HIV 1, Hepatitis B and Hepatitis C, treat this material as potentially infectious, and use appropriate biocontainment, protective equipment and other precautions to prevent accidental exposure.

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| SPECIES | Primary human keratinocytes and fibroblasts (juvenile) |
| TISSUE TYPE | Epithelia |
| PACK SIZE | <p>PRFT-CELLS-24 is a kit consisting of:</p> <ul style="list-style-type: none"> • 1 x HPEKp: Human Epidermal Keratinocyte Progenitors, > 5 x 10⁵ viable cells per vial (1 mL) • 1 x HDFp: Human Dermal Fibroblasts, 5 x 10⁵ viable cells per vial (1 mL) • 1 x CnT-PR: 500 mL kit of CnT-Prime Epithelial Culture Medium • 1 x CnT-PR-F: 500 mL kit of CnT-Prime Fibroblast Culture Medium • 1 x CnT-PR-FTAL5: 500 mL kit of CnT-Prime FTAL5 Full Thickness Air-Lift Culture Medium • 1 x CnT-SP: Spacer Plate for 12-Well Plates • 24 x FT Inserts: 12 mm diameter, 0.4 μm pore size |
| DEFINED | Yes |
| ACF | No |
| CULTURE MEDIUM | Media included in the kit: CnT-PR Epithelial Medium (keratinocyte proliferation), CnT-PR-F Fibroblast Medium (fibroblast proliferation), CnT-PR-FTAL Full Thickness Air-Lift Medium. All media are designed for use in a 5% CO ₂ atmosphere. Media must be thawed overnight at 4°C just prior to use. |
| CULTIVATION | For thawing, seeding and passaging instructions, please see the general cultivation protocol in the resources section of www.cellntec.com |
| PASSAGING | Recommended seeding density after passaging in 2D culture: 4 x 10 ³ cells / cm ² (keratinocytes) and 1 x 10 ³ cells / cm ² (fibroblasts). For passaging instructions, please see also general cultivation protocol, on our resources section. |
| AV. TIME TO CONFLUENCE | 5 to 6 days for monolayer culture of keratinocytes (depending on temperature, seeding density and protocol) |
| LONGEVITY | For optimal 3D stratification, use cells within 10-12 population doublings of thawing. |
| STORAGE / SHELF LIFE | Cells: Immediately upon arrival transfer the cryo vials to the liquid nitrogen container, until ready to use. Medium: store at -20°C. Thaw overnight at 4°C prior to use, or alternatively at room temperature for approx 5 hours. Do not thaw in a hot water bath. For expiry date of frozen medium, refer to medium label. Storage of thawed medium: 4°C in the dark, use within 6 weeks of thawing. Important: The quality of cell culture media is rapidly degraded by light. Store in the dark, and minimize all light exposure during handling. Inserts: room temperature. One year from date of purchase. |
| THAWING | Recommended seeding density after thawing: 2 to 4 x 10 ³ cells / cm ² . For thawing instructions, please see also general cultivation protocol, on the resources section of www.cellntec.com |
| FREEZING | Recommended freezing density: 1 x 10 ⁶ cells / mL. For freezing instructions for keratinocytes, please see also general cultivation protocol, on the resources section of www.cellntec.com |
| QUALITY CONTROL | Primary cells tested negative for Hepatitis B, Hepatitis C and HIV-1. Media tested free of bacteria, fungi and mycoplasma contamination. |
| SHIPPING CONDITION | The kit components are shipped in two separate boxes (one of them on dry ice). |
| COMMENTS | All kit components can all be purchased separately. |
| INTENDED USE | For research use only. Not for use in therapy or diagnostics. |
| LAST UPDATE | 2020-12-09 |