

PR2D-CC

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Keratinocyte/Fibroblast 2D Co-culture Starter Kit

The new PR2D-CC starter kit provides all the components required for establishing balanced co-culture of primary keratinocytes and fibroblasts in a fully defined environment. The kit includes primary human keratinocyte and fibroblast cells, CnT-PR and CnT-PR-F media for monolayer culture and CnT-PR-CC co-culture medium.

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.

SPECIES	HPEKp Keratinocytes: Human, pooled (3 or more donors), juvenile. HDFp Fibroblasts: Human, pooled (3 or more donors), foreskin.
TISSUE TYPE	Epithelia, Mesenchyme
PACK SIZE	PR2D-CC is a kit consisting of: <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 CnT-Prime Epithelial Culture Medium • 1 x CnT-PR-F: 500 mL CnT-Prime Fibroblast Proliferation Medium • 1 x CnT-PR-CC: 500 mL Epithelial/Stromal Co-culture Medium • 1 x PR2D-CC Data sheet
MEDIA TYPE	2D Co-culture
DEFINED	No
ACF	No
CULTURE MEDIUM	Media included in the kit: CnT-PR Epithelial Culture Medium, CnT-PR-F Fibroblast Proliferation Medium, and CnT-PR-CC Epithelial/Stromal Co-culture Medium. All media are designed for use in a 5% CO ₂ atmosphere. Media must be thawed 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 . For routine cell cultivation, CELLnTEC does not recommend the use of antibiotics / antimycotics.
PASSAGING	Recommended seeding density after passaging: 4 x 10 ³ cells / cm ² . For passaging instructions, please see also general cultivation protocol, on our resources section of www.cellntec.com
AV. TIME TO CONFLUENCE	5 days for monolayer culture of keratinocytes and broblasts (depending on temperature, seeding density and protocol).
LONGEVITY	Keratinocytes and broblasts guaranteed to provide 20 population doublings when grown in CnT-PR and CnT-PR-F, respectively.
STORAGE / SHELF LIFE	Store media frozen below -15 °C. For best before date, see label. To prepare medium for use, thaw in a water bath set to room temperature. Do not use higher temperatures. Swirl frequently, approximately every 20 min, to ensure good mixing of the ingredients and temperature equilibration. Stop at melting of the last bit of ice to prevent warming at the end of the thawing process. Once thawed, medium has a remaining shelf-life of 6 weeks when stored at 4 °C in the dark. Certain culture media components are very sensitive to light. Minimize light exposure at all times.
THAWING	Recommended seeding density after thawing: 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, 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	All kit components are shipped together on dry ice.
COMMENTS	All kit components can be purchased separately.
INTENDED USE	For research use only. Not for use in therapy or diagnostics.
LAST UPDATE	2022-01-25