Phenocell
Stem Cells for better Drugs

Human induced pluripotent stem cells derived Keratinocytes PCi-KER

Product sheet

DESCRIPTION

Product Ref. PCi-KER_CAU / PCi-KER_ASI / PCi-KER_AFR
Associated product: PhenoCULT®-KER culture medium.
Phenocell provides Keratinocytes (PCi-KER), developed from human induced pluripotent stem cells (iPSC), at low passage (P3-P4). PCi-KER are cryopreserved below -135°C. Viability after thawing is > 90%. A protocol for thawing and culture is available on our website: PCi-KER_User's Guide. Shipping is on dry ice.

Product	Catalog No.	Quantity	Donor
Human iPSC-derived Keratinocytes	PCi-KER_CAU	10^6 cell/vial	Caucasian
Human iPSC-derived Keratinocytes	PCi-KER_ASI	10^6 cell/vial	Asian
Human iPSC-derived Keratinocytes	PCi-KER_AFR	10^6 cell/vial	African

STORAGE

Store at -135°C or colder (vapor phase of liquid nitrogen or deep freezer) for 12 months from date of receipt. Use thawed samples immediately.

PRODUCT USE

PCi-KER are intended for IN VITRO RESEARCH USE ONLY and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

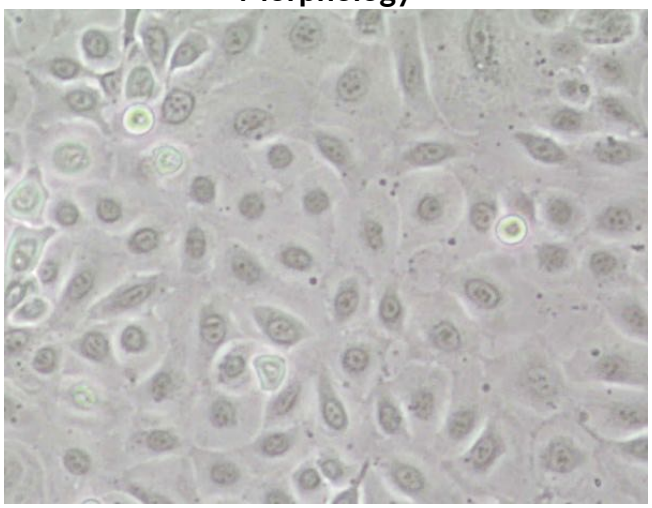
SAFETY PRECAUTIONS

These recommendations are based on prudent application of professional judgment. Wear the appropriate personal protection equipment (PPE) and handle the frozen vials with due caution. This product should be treated as potentially infectious and only used in biological safety level 2 premises and conditions. Do not ingest. In case of contact with eyes, rinse immediately with plenty of water for at least 15 min and seek medical advice. Environmental measures: soak up with inert absorbent material. Clean with bleach and rinse thoroughly. Prevent further leakage or spillage if safe to do so. Phenocell cannot be held liable for any damage or losses resulting from the handling or from contact with the product as described herein.

QUALITY CONTROL

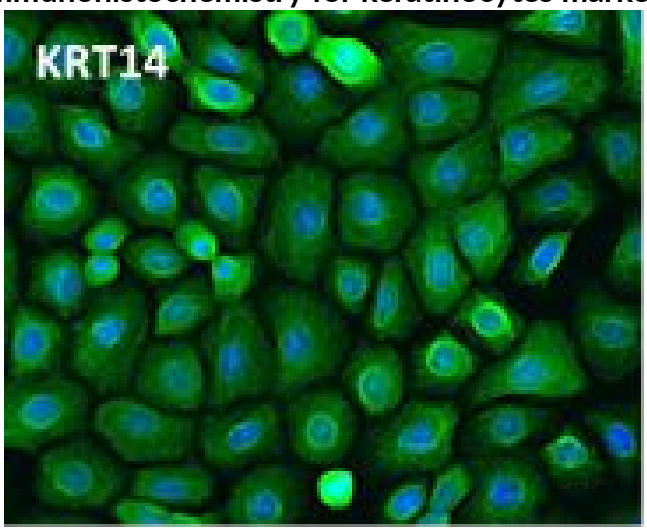
For more details, refer to lot-specific Certificate of Analysis. PCi-KER are derived from qualified human iPSC and have been validated for morphology, purity and high expression levels of specific markers. PCi-KER display normal karyotype and tested negative for mycoplasma, HBV, HCV, HIV before freezing.

Morphology



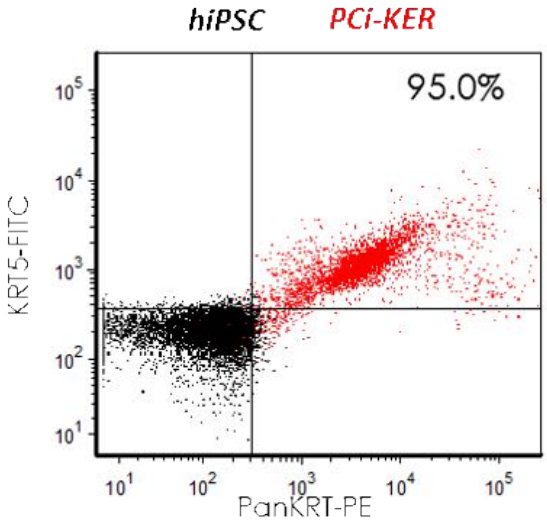
PCi-KER display an epithelial morphology with typical dark ring around the nucleus.

Immunohistochemistry for keratinocytes markers



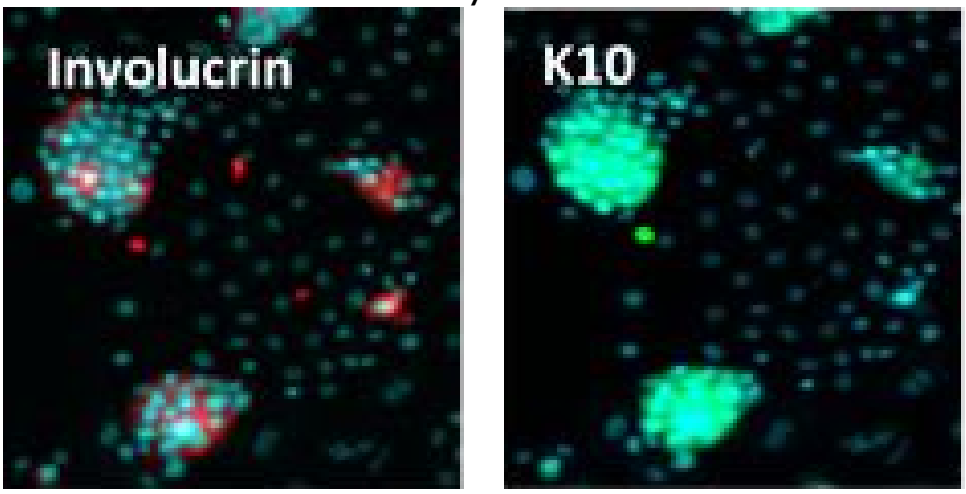
PCi-KER express the key keratinocytes marker, Keratin 14 (KRT14) in a majority of cells.

Purity by Flow cytometry



PCi-KER purity is above 95% by KRT5/Pan-KRT expression.

Functional analysis: stratification



Upon prolonged confluent culture, PCi-KER start to stratify and express mature markers such as Involucrin and Keratin10.

FOR RESEARCH USE ONLY

Not intended for human or animal diagnostic, therapeutic or clinical applications.

USERS NOTICE

Phenocell's production of somatic cells differentiated from iPS cells is performed under license from iPS-Academia Japan (Kyoto, Japan) that implies restrictions for Customers (Users). Make sure that you have read and understood the User Notice below before purchasing our products.

USER NOTICE

(a) User may use the Licensed Differentiated Cells for internal research, including but not limited to screening potential drug compounds for efficacy and safety, and for the provision of such services to Third Parties;
(b) User shall not administer the Licensed Differentiated Cells in human or animal subjects for human or animal therapeutic, diagnostic or prophylactic purposes, including but not limited to clinical applications, cell therapy, transplantation, and/or regenerative medicines;
(c) User may transfer the Licensed Differentiated Cells to Third Party in accordance with the User Restriction; and
(d) no other right, express or implied, is conveyed by the sale of Licensed Differentiated Cells or the provision of generation services of Licensed Differentiated Cells.