



CnT-PR

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CnT-Prime, Epithelial Culture Medium

CnT-Prime is a fully defined, low calcium (0.07 mM) medium formulation designed for optimal growth and longevity of primary epithelial cells (skin, cornea, oral, mammary). It is completely free of animal or human-derived components. CnT-Prime contains a full range of amino acids, minerals, vitamins and organic compounds, plus growth factors to deliver strong cell proliferation, and cofactors to improve growth factor binding to cell surface receptors. CnT-Prime also contains PCT factors that maximize retention of proliferative progenitor cells, increase longevity, and minimize loss through differentiation. It does not contain phenol-red, or antibiotics / antimycotics.

SPECIES	Developed for primary human epithelial cells. May be used for other species as well, including mouse.
TISSUE TYPE	Epithelia
PACK SIZE	500 mL bottle, fully supplemented with growth factors. No further additions required.
PRODUCT USE	Developed specifically to deliver strong proliferation and extended longevity of primary epithelial cells in a fully defined environment. The inclusion of PCT factors increases retention of proliferative progenitor cells, and minimise loss through differentiation. Not recommended for use when inducing differentiation. For differentiation work, please use CnT-PR-D medium. When using CnT-PR for isolation, addition of the IsoBoost supplement (#CnT-ISO-50) has been found to double cell yields.
MEDIA TYPE	2D-Prolif
DEFINED	Yes
ACF	Yes
CULTURE CONDITION	This medium is designed for use in a 5% CO ₂ atmosphere. For suggested isolation, passaging, differentiation and freezing protocols, please visit the resources section of www.cellntec.com
NOTE	For routine cell cultivation, CELLnTEC does not recommend the use of antibiotics / antimycotics. During isolation, antibiotics / antimycotics are recommended up until the end of P1.
STORAGE / SHELF LIFE	Store 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.
QUALITY CONTROL	Media composition is tested via osmolality, pH and the concentration of various ions. Media functionality is tested by evaluating growth and morphology of primary human epithelial cells over at least 2 passages. Free of bacteria, fungi and mycoplasma contamination.

SHIPPING CONDITION

Medium is shipped frozen.

INTENDED USE

For research use only. Not for use in therapy or diagnostics.

LAST UPDATE

2020-02-20