CnT-NX-EX

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CnT-NX-EX Epithelial Extended Proliferation Medium

Next generation cell culture medium designed for the efficient isolation and prolonged expansion of primary epithelial cells derived from various tissue types, including keratinocytes from skin, corneal epithelial cells, oral epithelial cells, and other epithelial subtypes. The chemically defined formulation, devoid of animal or human-derived components, ensures enhanced experimental reproducibility. CnT-NX-EX medium supports high cell proliferation rates while mitigating premature cellular senescence, facilitating exponential cell expansion and exceptionally high cell yields, with the potential to achieve up to a trillion-fold increase in cell numbers throughout the culture duration.

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 rapid growth, proliferation, and extended longevity of primary epithelial cells in a fully defined environment. For cell lines other than primary human cells, we recommend using CnT-NX-E medium.
MEDIA TYPE	2D-Prolifertation, Next-generation medium.
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 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 or primary human epithelial cells. 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	2025-01-30