

CnT-PR-A

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## CnT-Prime Airway Epithelial Proliferation Medium

CnT-Prime Airway is a fully defined, animal-component-free medium for the isolation and expansion of large airway epithelial cells.

<b>SPECIES</b>	Developed for primary human airway epithelial cells. May be used for other species as well, including mouse.
<b>TISSUE TYPE</b>	Epithelia
<b>PACK SIZE</b>	500 mL bottle, fully supplemented with growth factors. No further additions required.
<b>PRODUCT USE</b>	Developed specifically to deliver efficient isolation, strong proliferation and extended longevity of primary airway 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 terminal differentiation. For differentiation work, please use CnT-PR-AD medium.
<b>MEDIA TYPE</b>	2D-Prolif
<b>DEFINED</b>	Yes
<b>ACF</b>	Yes
<b>CULTURE CONDITION</b>	This medium is designed for use in a 5% CO <sub>2</sub> atmosphere. For suggested isolation, passaging, differentiation and freezing protocols, please visit the resources section of <a href="http://www.cellntec.com">www.cellntec.com</a>
<b>NOTE</b>	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.
<b>STORAGE / SHELF LIFE</b>	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.
<b>QUALITY CONTROL</b>	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.
<b>SHIPPING CONDITION</b>	Medium is shipped frozen.
<b>INTENDED USE</b>	For research use only. Not for use in therapy or diagnostics.
<b>LAST UPDATE</b>	2021-01-01