

CnT-PR-BM.1

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CnT-Prime Basal Medium

CnT-Prime Basal Medium is a fully defined, low calcium (0.07 mM) basal medium formulation designed for optimal isolation, growth, and longevity of primary epithelial cells. The CnT-PR-BM.1 basal medium is used in all the CnT-Prime range of media. It contains a full range of amino acids, vitamins, and minerals. It does not contain growth factors, phenol-red, or antibiotics / antimycotics. Growth factors must be added to obtain cell proliferation.

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
PRODUCT USE	CnT-Prime Basal Medium is the basal medium formulation used during preparation of the CnT-PR, CnT-PR-D, CnT-PR-3D, CnT-PR-CA, CnT-PR-A and CnT-PR-AD media. It does not contain growth factors, and thus can be used when cells must be starved of stimulation for a defined period prior to experimentation.
MEDIA TYPE	Isolation & Expansion
DEFINED	Yes
ACF	Yes
CULTURE CONDITION	This basal 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 in supplemented medium 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	2021-07-28