

## CnT-PR-MD

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### CnT-Prime Melanocyte Differentiation Medium

The CnT-PR-MD medium is specifically formulated to encourage differentiation, melanin expression and dendricity in primary melanocytes.

<b>SPECIES</b>	Developed for human melanocytes. May be used for other species as well.
<b>TISSUE TYPE</b>	Melanocyte
<b>PACK SIZE</b>	250 mL bottle, fully supplemented with growth factors. No further additions required.
<b>PRODUCT USE</b>	Developed for differentiation and increased melanin expression of primary human melanocytes in primary culture. Cells must be grown to near confluence first in CnT-40 medium, then switched to CnT-PR-MD medium to induce differentiation (5 days).
<b>MEDIA TYPE</b>	2D-Diff
<b>DEFINED</b>	No
<b>ACF</b>	No
<b>CULTURE CONDITION</b>	This medium is designed for use in a 5% CO <sub>2</sub> atmosphere. For suggested cell culture protocols, please see our resources section.
<b>NOTE</b>	For routine cell cultivation, CELLnTEC recommends to work without antibiotics / antimycotics.
<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 functionality and cell morphology tested by cell cultivation with primary human melanocytes. Osmolality, pH and concentration of various ions are tested. Free of bacteria, fungi and mycoplasma contamination.
<b>SHIPPING CONDITION</b>	CnT-PR-MD 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