

## PRODUCT INFORMATION

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### Cellartis® hES-MP 002.5

Human embryonic stem (hES) cell-derived mesenchymal progenitor cells

CATALOGUE #:	Y10090/MPC-301-VIAL 1 frozen vial of Cellartis® hES-MP™002.5
DESCRIPTION:	The product is a population of hES-cell derived mesenchymal progenitor cells with a high resemblance to adult human mesenchymal stem cells. The mesenchymal progenitor cells are dissociated and frozen as a single cell suspension in freezing medium containing 10% DMSO.
SPECIFICATION:	≥ 1x10 <sup>6</sup> cells. Osteogenic differentiation: proof of mineralisation by positive von Kossa staining. Positive for CD166, CD105, CD13, CD10 and negative for CD133, CD117 in flow cytometry analysis.
SOURCE:	Cellartis® hES-MP™002.5 are derived from the hES-cell line SA002.5.
BIO SAFETY:	Takara Bio Europe AB products contain human source material and should be treated as potentially infectious. Discard cell contaminated materials according to local regulations. The original cell line used to establish this product has been verified to be negative for human viruses (CMV, EBV, HBV, HCV, HIV1, HIV2, HPV, HSV-1, and HSV-2). The frozen product has been tested negative for mycoplasma (PCR), fungus, and bacteria.
TRANSPORTATION:	Frozen Cellartis® hES-MP™002.5 is delivered on dry ice or in a dry shipper.
STORAGE:	Cellartis® hES-MP™002.5 should be stored in liquid nitrogen at ≤ -150°C. Under recommended storage conditions the cells can be stored for up to one year after the date of receipt. Keep thawed Cellartis® hES-MP™002.5 at +37±1°C, 5 % CO <sub>2</sub> , and >90 % humidity.
VIABILITY:	The Cellartis® hES-MP 002.5 are frozen in passage 5 and can be passaged for at least 10 passages.
USER INSTRUCTION:	Takara Bio Europe AB recommends the use of media and reagents according to the technical manual. Takara Bio Europe AB cannot give technical feedback on customer cultures unless the culture instructions in the technical manual have been followed. Takara Bio Europe AB recommends that this product is handled only by persons who have been trained in laboratory techniques and in accordance with the principles of good laboratory practices.
INTENDED USE:	Cellartis® hES-MP™002.5 can be used in, but not limited to, research applications requiring mesenchymal progenitors. Cellartis® hES-MP™002.5 are intended for research use only and are not to be used for any other purposes including, but not limited to: unauthorized commercial purposes, <i>in vitro</i> diagnostic purposes, <i>ex vivo</i> or <i>in vivo</i> therapeutic purposes, in foods, drugs, medical devices or cosmetics of any kind, or for consumption by or use in connection with or administration or application to humans or animals.
SAFETY PRECAUTIONS:	Upon arrival check all materials for leakage or breakage. Wear suitable protective clothing, safety glasses and gloves when handling liquid nitrogen.