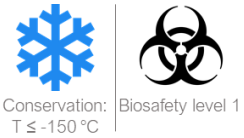
# Human Dental Pulp Mesenchymal Stem Cells, Cryopreserved, 1.10$^6$ cells

Product sheet, catalog n° CTICC1.8.1

## General Information

- **Organism:** Human (*Homo sapiens*)
- **Tissue:** Dental Pulp
- **Cell Type:** Dental Pulp Mesenchymal Stem Cells from single donor
- **Gender:** Male or Female (see Certificate of Analysis)
- **Age:** 18 to 99 years old (see Certificate of Analysis)
- **Donor type:** (see Certificate of Analysis)




## Cell Characteristics

- **Cell properties:** Adherent
- **Morphology:** Bipolar, spindle-shaped, fibroblast-like morphology
- **Isolation:** Enzymatic dissociation
- **Cell viability:** Minimum 70% viability when thawed from cryopreservation
- **Cell conditioning:** Supplied as vials of 1.10$^6$ cells
- **Cryopreservation medium:** Frozen with 90% serum-free cryopreservation medium + 10% DMSO
- **Storage condition:** Liquid nitrogen
- **Batch specific information:** Included in the Certificate of Analysis

## Safety and Quality Control

- **Biosafety level:** 1
- **Contamination:** Use mandatory laboratory protection and handle with care tissues and cells derived from human samples to avoid any contamination of the operator
- **Viral testing:** Negative for HIV, HBV, HCV
- **Sterility testing :** Negative for mycoplasma, bacteria and yeasts

## Handling upon delivery and storage

- Check that the containers are intact and free of damage
- If not used immediately, place the vials at -150°C or below upon delivery

## Thawing

1. Add 13 ml of PBS solution to a 15 ml conical tube, and warm in a water bath to 37 ˚C
2. Thaw cryovial by swirling in a water bath at 37 ˚C. As soon as thawed, start next step
3. Add the cell suspension to the warmed PBS in sterile conditions
4. Spin the tube at 250 g for 7 minutes to pellet the cells
5. Resuspend the cells in the appropriate volume of medium before using them

## Associated products

- **CTIOS.1.1:** Adult Human Tooth, Fresh
- **CTICC1.8.2:** Human Oral Mucosa Fibroblasts, Cryopreserved, 1.10$^6$ cells
- **CTICC1.8.3:** Human Oral Mucosa Epithelial Cells, Cryopreserved, 1.10$^6$ cells

## Provisions

- Cells and tissues are intended for **research use only** and shall not be used for human trials, animal trials, or diagnostics
- **Consent:** the original tissues have been obtained after informed consent of the patient under the provisions required by French Law
- **Primary Human cells** are not immortalised cell lines and may not be continually subcultured

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