

# HEMATOPOIETIC CELLS

CORD BLOOD

## Human Mononuclear Cells from Cord Blood (MNC-CB)

Abcell-bio offers mononuclear cells (MNC) isolated from human umbilical cord blood using gradient density method.

MNC include all blood cells with a single nucleus, such as lymphocytes, monocytes and stem cells. They are commonly used in research, particularly in the fields of immunology, oncology and pharmacology.



### Product highlights

- Ready-to-use cells
- Numerous packaging options  
Vials from  $15 \cdot 10^6$  to  $50 \cdot 10^6$  cells
- Single donor
- High cell viability
- Number of viable cells guaranteed at thawing  
*If thawing recommendations are respected*
- Xeno- and serum-free cryopreservation medium
- Customization on request:
  - Specific batch size
  - HLA genotyping
  - Mixed donor
  - Batch reservation*Non-exhaustive list which can be adapted to customer requirements.*

Abcell-bio guarantees cell quality only if recommended protocol is respected. These cells are for research use only; not intended for medical, human or veterinary applications.



#### Quality control

Multiple quality controls are performed, certifying their virologic conformity and viability. Once isolated, the cells are frozen in the **xeno- and serum-free** cryopreservation medium. **Virologic (HIV1/2, HBV, HCV) and mycoplasma detection tests** are performed on all delivered batches. A full certificate of analysis is provided for each batch of MNCs ordered.



#### Precautions for use

Although testing for HIV, HBV and HCV contamination is negative, these products must be handled using Biosafety Level 2 conditions. Refer to the Safety Data Sheet for additional information.



#### Storage recommendation

- The cryovial containing the frozen cells is delivered in dry ice or liquid nitrogen.
- Upon reception, use immediately (see thawing protocol) or store at  $-150^{\circ}\text{C}$  or in liquid nitrogen.
- Storage at  $-80^{\circ}\text{C}$  does not preserve cells and must not be used.
- Cells are guaranteed up to 12 months from the date of reception, if stored according to these recommendations.