

# Peripheral Blood Mononuclear Cells – Technology Overview

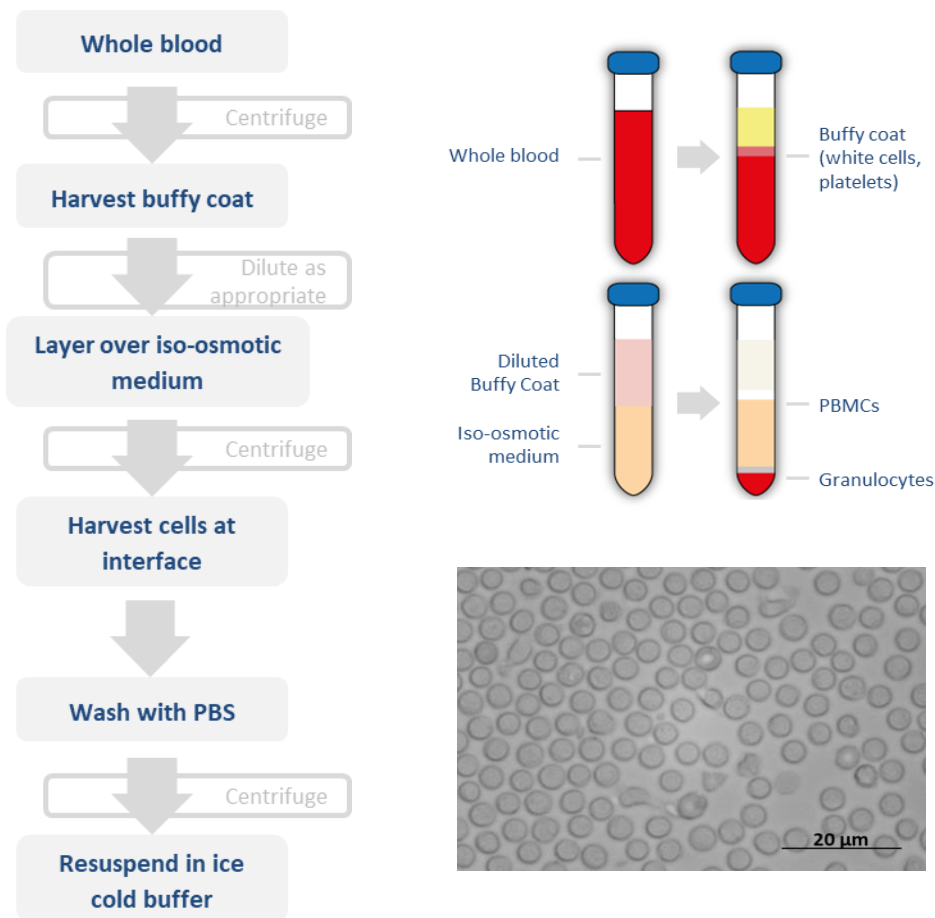
## Primary Immune Cells derived from Human Peripheral Blood

### Product overview

AvantiCell Science (ACS) isolates peripheral blood mononuclear cells (PBMCs) from whole blood samples obtained with full ethical permission.

Cells are banked using ACS cryopreservation technology and stored at -150°C

PBMCs comprise monocytes, lymphocytes (B cells, T cells, natural killer cells) and dendritic cells. These cells all contain a single round nucleus and are a critical component of the human immune system. PBMCs have a lower buoyant density than red blood cells and granulocytes and are therefore extracted from whole blood via density gradient centrifugation of buffy coat. ACS PBMCs may be utilised for testing of various immunomodulatory agents *in vitro*.



***PBMCs are isolated from whole blood via density gradient centrifugation.***