

Primary blood and immune cells



Bringing human donor biology closer to your research

Primary blood, immune, and bone marrow-derived cells are essential tools for building more physiologically relevant research models. By preserving key aspects of human donor biology, cellular phenotype, differentiation potential, and functional response, these cells help researchers generate more meaningful insights across discovery, translational research, assay development, and disease-relevant applications.

Lonza supports your work with a broad portfolio of ready-to-use, quality-tested primary cells from healthy and select disease-state donors, helping you access the cell types, donor attributes, and starting material needed to move research forward with confidence.

Broad cell and donor selection

Your research needs are highly variable and often specialized. Whether you need PBMCs, isolated immune cell types, CD34+ hematopoietic stem cells, bone marrow-derived cells, specific donor attributes, or disease-relevant donor material, Lonza's portfolio is built to support a wide range of research requirements.

Disease-relevant material for translational insight

Lonza offers access to select disease-state blood and immune cell material to help researchers study immune function, donor variability, inflammatory responses, immune activation, drug response, and disease-associated biology in more relevant human primary cell systems.

Ready-to-ship inventory

When timelines are tight, ready-to-ship cells help keep research moving. Choose from our inventory of high-quality cryopreserved primary cells and begin your experiments faster. Availability may vary by donor profile, cell type, and disease-state material.

Flexible sourcing and custom support

For research needs not matched to current catalog inventory, Lonza's CellBio Services team may be able to support custom cell isolations based on donor, cell type, and project requirements.

Quality you can build on

Reliable data starts with reliable cells. Lonza's blood, immune, and bone marrow-derived cells are collected and/or isolated using standardized protocols and supported by robust QC processes. Donors are screened and guaranteed to be negative for HIV-1/2, HBV, and HCV, with HLA typing included at no additional cost where applicable.

Explore our portfolio

Peripheral blood

- Fresh Leuko Paks
- PBMCs
- CD14+ Monocytes
- CD4+ Helper T Cells
- CD8+ Cytotoxic T Cells
- CD3+ Pan-T Cells
- Memory T Cells
- T Reg Cells
- Naïve T Cells
- B Cells
- Macrophages
- Eosinophils
- Natural Killer Cells
- Dendritic Cells

Whole blood

- Multiple volumes
- Multiple containers
- Multiple anticoagulants
- Plasma/serum
- Erythrocytes

Core blood

- CD34+ Stem/Progenitor Cells

Bone marrow

- Whole Bone Marrow (3–100 mL)
- Bone Marrow Plasma
- CD34+ Stem/Progenitor cells
- Mononuclear Cells
- Mesenchymal Stem Cells
- Non-irradiated Stromal Cells (feeder cells)

More information

Additional product information including instructions, protocols, and recommended culture media is available on our website: www.lonza.com/hematopoietic-products

For direct assistance with choosing the right cells and donors contact our scientific support team.

Contact us

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Learn more.



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