Human B Cell Research Products

From starting samples to B cell analysis reagents, explore our complete portfolio of products* to support your human B cell research workflow.

Source Your Starting Sample

Human Primary Cells

Begin your B cell workflow with a variety of starting samples, such as whole blood, leukopaks, or cord blood, or start directly from fresh or frozen primary cells.

Isolate Human B Cells

B Cell Isolation Directly from Whole Blood

- Isolate B cells via density gradient centrifugation.
- RosetteSep™ Cell Enrichment Cocktails
- SepMate™ PBMC Isolation Tubes (85415, 85450)
- Lymphoprep™ Density Gradient Medium (07801)
- Isolate B cells directly from whole blood using immunomagnetic cell isolation.
- EasySep™ Direct Human B Cell Isolation Kits
- EasySep™ Direct Human B-CLL Cell Isolation Kit (19664)
- EasySep™ Direct HLA B Cell Isolation Kit (89684)

PBMC Isolation

- Isolate PBMCs in just 15 minutes.
- SepMate™ PBMC Isolation Tubes (85415, 85450)
- Lymphoprep™ Density Gradient Medium (07801)

Immunomagnetic B Cell Isolation

- Isolate unlabeled B cells in as little as 9 minutes using negative selection.
- EasySep™ Cell Isolation Kits
- Isolate B cells using positive selection.
- EasySep™ Positive Selection Kits
- Positively select B cells and then release bound magnetic particles.
- EasySep™ Release Human CD19 Positive Selection Kit (17754)

Culture and Expand Human B Cells

Why Use Our Cell Separation Technologies?

- FAST. Isolate various B cell subsets in as little as 9 minutes.
- VERSATILE. Isolate cells from virtually any sample source.
- HIGH PURITY. Achieve up to 99% cell purity with high recoveries.
- GENTLE. Obtain viable, functional cells without the need for columns and washes.
- AUTOMATABLE. Scale up your cell separation throughput using RoboSep™ instruments.

B Cell Culture and Expansion

- Expand human B cells without the use of serum and feeders.
- ImmunoCult™-XF B Cell Base Medium (100-0645)
- ImmunoCult™-ACF Human B Cell Expansion Supplement (10974)

Cytokines

Analyze and Cryopreserve Human B Cells

Catalog #s shown in ( )

*Certain products are only available in select territories. Please contact your sales representative or the Product & Scientific Support team at techsupport@stemcell.com for further information.

Cultured Human B Cells

B Cell Analysis

- Characterize and evaluate B cells.
- Antibodies
- ELISAs
- Viability Dyes
- Molecular Biology Tools (for gene expression analysis)

B Cell Cryopreservation

- Cryopreserve B cells in cGMP-manufactured media and standardize your thawing process.
- CryoStor®
- ThawSTAR® CFT2 Automated Thawing System (100-0650)

Diagnostic Testing on B Cells

- Characterize and evaluate B cells for diagnostic testing.
- HLA Testing: crossmatch assay and chimerism analysis
- Hematological Malignancy Testing: fluorescence in situ hybridization (FISH), flow cytometry, or DNA/RNA extraction

Learn more at www.stemcell.com/bcellresearch