

Human NK Cell Research

From sample sourcing to NK cell analysis, explore our complete portfolio of products to support your human NK cell research workflow.

Source Your Starting Sample

Human NK Cells*

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

Whole Peripheral Blood

Peripheral Blood Leukopak

Fresh or Frozen Human PBMCs

Human PSCs or CD34⁺ Cells

Fresh or Frozen Human NK Cells

Isolate Human NK Cells

NK Cell Isolation from Whole Blood	
Isolate NK cells using density gradient centrifugation RosetteSep™ Human NK Cell Enrichment Cocktail + SepMate™ PBMC Isolation Tubes + Lymphoprep™ Density Gradient Medium	OR
Isolate NK cells using immunomagnetic negative selection EasySep™ Direct Human NK Cell Isolation Kit	

PBMC Isolation
Isolate PBMCs in just 15 minutes SepMate™ PBMC Isolation Tubes + Lymphoprep™ Density Gradient Medium

Immunomagnetic Selection	
Isolate NK cells using positive selection EasySep™ Human CD56 Positive Selection Kit II	OR
Isolate NK cells in as little as 8 minutes using negative selection EasySep™ Human NK Cell Isolation Kit EasySep™ Human NK Cell Enrichment Kit	

Why Use Our Cell Separation Technologies?

FAST. Isolate NK cell subsets in as little as 8 minutes.

VERSATILE. Isolate cells from virtually any sample source.

HIGH PURITY. Achieve up to 97% cell purities with high recoveries.

GENTLE. Obtain viable, functional cells without the need for columns and washes.

Genetically Modify, Expand, or Differentiate Human NK Cells

StemSpan™, STEMdiff™, and ImmunoCult™

Generate and expand NK cells without the use of serum.

NK Cell Generation	
Generate NK cells from human pluripotent stem cells (hPSCs) STEMdiff™ NK Cell Kit	OR
Generate NK cells from CD34 ⁺ cells StemSpan™ NK Cell Generation Kit	

Purified Human NK Cells

NK Cell Expansion
Expand human NK cells without the use of serum and feeder cells ImmunoCult™ NK Cell Expansion Kit

Analyze and Cryopreserve Human NK Cells

NK Cell Analysis
Characterize and evaluate NK cells Antibodies , ELISAs , Viability Dyes , and Molecular Biology Tools (for downstream gene expression analysis)

NK Cell Cryopreservation
Cryopreserve NK cells in cGMP manufactured media or standardize your thawing process CryoStor® ThawSTAR® CFT2 Automated Thawing System

Learn more at

www.stemcell.com/nkcells

Need to Take Your Research to the Clinic?

STEMCELL's **Services for Cell Therapy Program** consists of a team of experts who can help support your regulatory filing by providing custom solutions such as quality documentation, additional product testing, and customized product manufacturing. STEMCELL has supported multiple successful IND submissions referencing our products, including numerous NK and T cell therapy candidates. To learn more about how we can support your pre-clinical and clinical research needs, visit us at <https://www.stemcell.com/services/cell-therapy.html>



Learn about STEMCELL's **Services for Cell Therapy Program**
www.stemcell.com/services/cell-therapy.html

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

Copyright © 2022 by STEMCELL Technologies Inc. All rights reserved including graphics and images. STEMCELL Technologies & Design, STEMCELL Shield Design, Scientists Helping Scientists, EasySep, RosetteSep, SepMate, StemSpan, STEMdiff, ImmunoCult, and ArcTect are trademarks of STEMCELL Technologies Canada Inc. CryoStor and ThawSTAR are registered trademarks of BioLife Solutions, Inc. Lymphoprep is a trademark of Alere Technologies. All other trademarks are the property of their respective holders. While STEMCELL has made all reasonable efforts to ensure that the information provided by STEMCELL and its suppliers is correct, it makes no warranties or representations as to the accuracy or completeness of such information.

PRODUCTS ARE FOR RESEARCH USE ONLY AND NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES UNLESS OTHERWISE STATED. FOR ADDITIONAL INFORMATION ON QUALITY AT STEMCELL, REFER TO WWW.STEMCELL.COM/COMPLIANCE.

DOCUMENT #27210 VERSION 1.0.0 APRIL 2022



Scientists Helping Scientists™ | WWW.STEMCELL.COM