

SET THE PACE FAST-TRACK YOUR CELL THERAPY DEVELOPMENT

T CELL ISOLATION WITH CTS DETACHABLE
DYNABEADS MAGNETIC BEADS

DRIVE YOUR PERFORMANCE FORWARD

Cell therapy

Meet the next generation of T cell isolation technologies: CTS Detachable Dynabeads magnetic beads

T cell isolation from leukopak or whole blood can be achieved using a variety of methods. Building on previous Gibco™ CTS™ Dynabeads™ magnetic beads technology, which is used in numerous commercialized therapies, Gibco™ CTS™ Detachable Dynabeads™ magnetic beads provide next-generation benefits to help you fast-track your cell therapy development.

Gibco™ CTS™ Detachable Dynabeads™ CD3/CD28 provide one-step T cell isolation and activation. This technology enables the active release of CTS Dynabeads magnetic beads from your target cells at any point in the process with Gibco™ CTS™ Detachable Dynabeads™ Release Buffer.

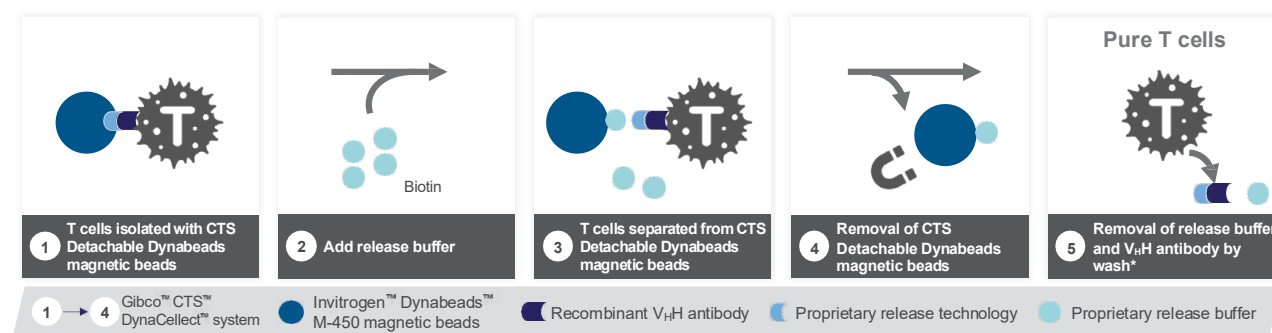
Isolation of CD4⁺ or CD8⁺ T cell subtypes is possible either separately or in combination using Gibco™ CTS™ Detachable Dynabeads™ CD4 and Gibco™ CTS™ Detachable Dynabeads™ CD8. They both provide you with the power of an active release mechanism for use in clinical trials or commercial manufacturing. When used with the CTS Detachable Dynabeads Release Buffer,

you are empowered to actively release the beads from target cells immediately after isolation, allowing flexibility and scalability in your process.

Benefits of CTS Detachable Dynabeads magnetic beads:

- Increased control over target cell isolation and bead removal
- Optimal recovery of high-purity T cells free from ancillary material
- Maintain high purity and viability of target T cells
- Isolated cells facilitate efficient gene modification and expansion
- Increased control over target cell activation and persistence of activation signals post-isolation
- Can be used in either autologous or allogeneic manufacturing platforms

CTS Detachable Dynabeads magnetic beads provide a simple and elegant T cell isolation system



* Wash on the Gibco™ CTS™ Rotea™ system.

CTS Detachable Dynabeads magnetic beads are designed for ease of use with the CTS DynaCollect Magnetic Separation System, enabling a closed, automation-friendly solution to enable T cell isolation, activation, and expansion for cell therapy development and commercial manufacturing.

- Automated platform
- High biological precision
- Easy to scale up or down

Learn more at thermofisher.com/dynacollect



Driven by quality and innovation, we have been solving complex bioprocessing challenges for 60 years and have a pipeline of innovative products to continue enabling cell therapy advancements. Gibco™ products are manufactured to Good Manufacturing Practices (GMP) standards to help enhance performance. Our quality management systems and policies are designed to meet your evolving needs. With registered ISO-certified and state-of-the-art facilities strategically located around the world, we can support our customers globally and deliver continuity of supply with our high-quality products.

Our cell therapy products are part of the Gibco™ Cell Therapy Systems™ (CTS™) portfolio. These high-quality, GMP-manufactured products offer a proven choice for research and manufacturing, helping developers transition to the clinic with confidence. With serum-free and xeno-free options, CTS products help minimize risk and support regulatory submission.

Ordering information

Description	Cat. No.
CTS DynaCollect Magnetic Separation System	A55867
CTS DynaCollect Cell Isolation Kit	A52300
CTS DynaCollect Bead Removal Kit	A52301
CTS Detachable Dynabeads CD3/28	A56996
CTS Detachable Dynabeads CD4	A56994
CTS Detachable Dynabeads CD8	A56995
CTS Detachable Dynabeads Release Buffer	A55883

Learn more at thermofisher.com/ctsdynabeads

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