Isolation of Virus-Specific T cells (VST)
The CliniMACS® Cytokine Capture System (IFN-gamma)

- Fast: in as little as 12 hours
- Easy, safe, and robust: cell manufacturing in a completely closed and automated system
- CE approved medical devices
- US MasterFile available

miltenyibiotec.com
Antigen-specific T cell stimulation

Within 12 h total time.

Isolation of virus-specific T cells

Enjoy all the advantages of an automated manufacturing process with the combination of the CliniMACS Prodigy® and the CliniMACS® Cytokine Capture System (IFN-gamma).

- Highly convenient and standardized process in a closed and sterile system
- Isolation of virus-specific T cells within 12 h total time
- Minimal hands-on time (1 h)
- Simultaneous isolation of CD4+ and CD8+ T cells
- No HLA-restriction
- No in vitro expansion required

Antigen-specific T cell stimulation

During the manufacturing process, the automated antigen-specific stimulation of T cells can be performed with high quality and GMP-compliant reagents.

MACS® GMP PepTivator® Peptide Pools

MACS GMP PepTivator Peptide Pools are overlapping oligopeptides covering the complete sequence of a respective antigen.

- Ensure efficient in vitro stimulation of CD4+ and CD8+ T cells
- Enable generation of multivirus-specific T cells
- Available for many virus specificities including CMV, AdV, EBV, BKV and for tumor antigens like WT-1 and NY-ESO-1

Check our website for more MACS GMP PepTivators:
www.miltenyibiotec.com/MACSGMPPepTivator

TexMACS™ GMP Medium

- Optimized medium, recommended for the use in combination with the CliniMACS Cytokine Capture System (IFN-gamma).
- Serum-free application

Published clinical data

- Protective immunity and the control of established AdV3,3, HCMV4,5, EBV6,7 and BKV8 infections could be restored after hematopoietic stem cell transplantations (HSCT).
- Small doses (i.e. 150 T cells/kg body weight) of adoptively transferred T cells have been shown to restore antiviral immunity post HSC7-9.
- Recent publications report minimal side effects and no acute toxicity (e.g. increased incidence of GVHD) so far.2,5-7,9

Would you like to learn more about the CliniMACS Prodigy and the CliniMACS Cytokine Capture System (IFN-gamma)? Contact your local representative and make an appointment: www.miltenyibiotec.com/local

References


Miltenyi Biotec provides products and services worldwide. Visit www.miltenyibiotec.com/local to find your nearest Miltenyi Biotec contact.