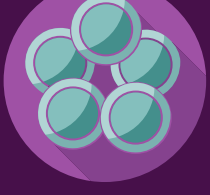


# How to choose the best T-cell medium for your CAR-T cell manufacturing process

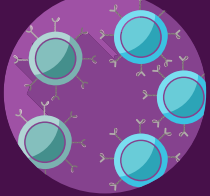
## Determine critical process parameters to test suitability for your CAR-T product



Cell expansion



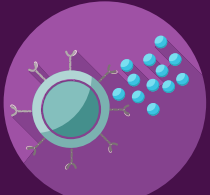
Viability



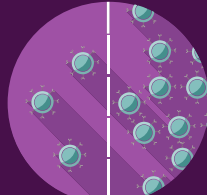
CD4+/CD8+ ratio



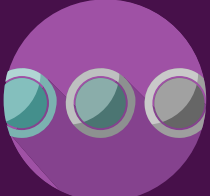
Memory phenotype



Cytokine expression profile



Proportion of CAR-T cells



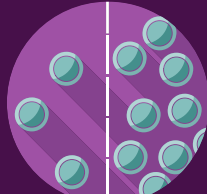
Cell exhaustion



Performance in killing assays

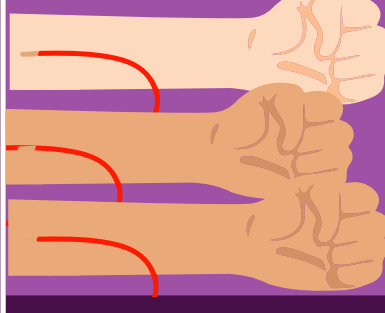


Purity of CD3+ T cells



Proportion of Treg cells

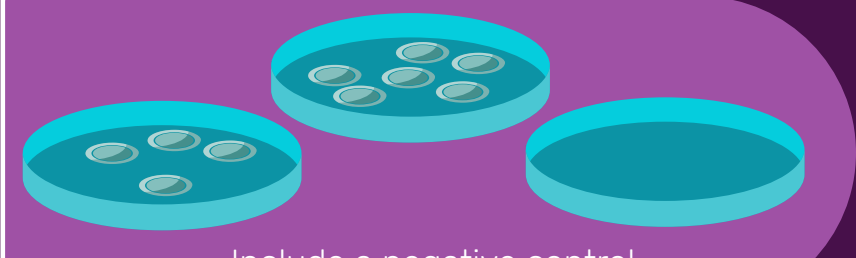
## Test which T-cell medium is the best medium for your CAR-T cell product



Test with more than one donor (≥3 donors)



Replicate your experiment



Include a negative control



Test performance without the addition of human serum

Are only recombinant or pharmaceutical grade proteins used?



Is the medium xeno-free?



How stable is the medium and are long-term stability data available?



Ensure quality control in your CAR-T cell production



Is the medium manufactured following all applicable GMP guidelines?



Is the medium serum-free?



Is the medium free of antibiotics?



Is a QC functionality test performed on every batch to confirm consistency?

Does the medium offer global compliance?

Does the raw material supplier offer regulatory support?

Is a Drug Master File available?

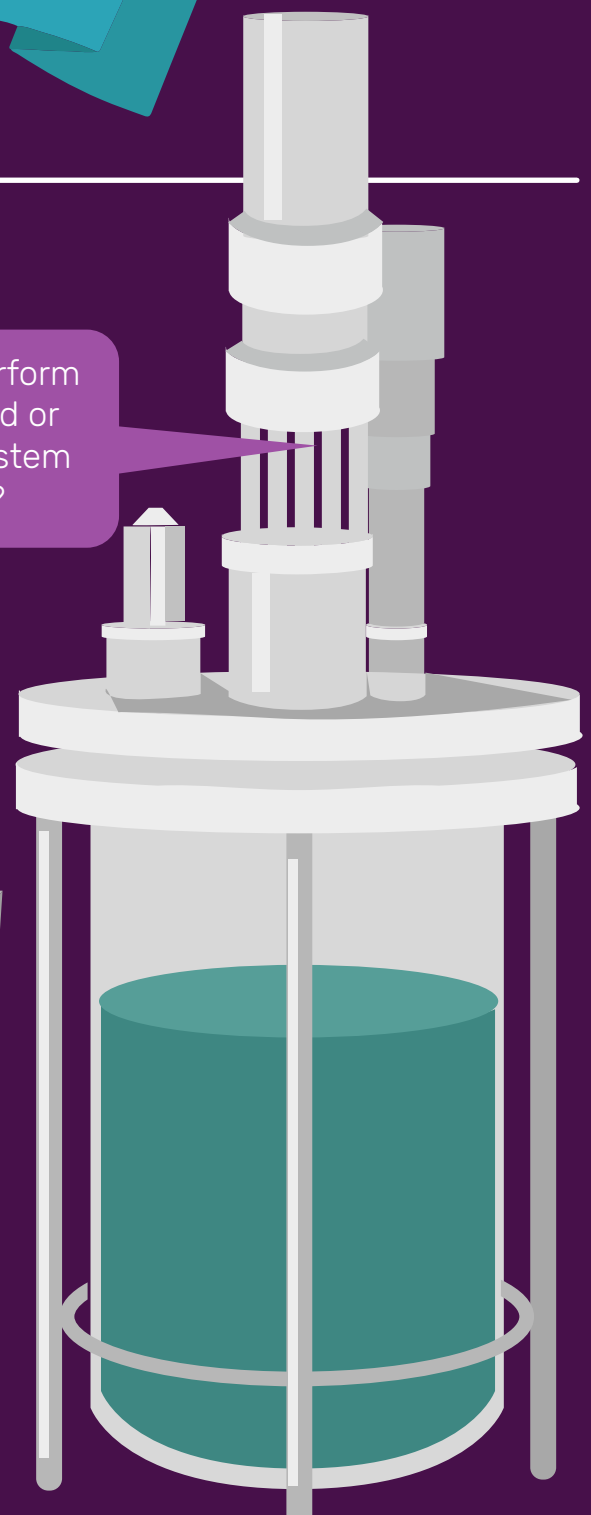
Think about the global future of your manufacturing process

## Is your process suitable for upscaling?

Is the medium available in different sizes and formats (e.g. bottles and bags)?

Does the medium perform well in an automated or larger cell culture system (e.g. bioreactor)?

Can the raw material supplier offer a secure supply chain, even when the demand greatly increases over time?



Would you like to test if CellGenix® TCM is the right T-cell medium for your CAR-T cell manufacturing process?

Find out more here: [cellgenix.com/products/tcm](http://cellgenix.com/products/tcm)



Or scan the QR code: