



Stable & Uniform¹



Safe & Convenient²



Cost-Effective



Ready-to-use
No Pre-washing
Required



RUO & GMP grades
smooth transition
from R&D to clinic



50nm Nanoparticles
Gentle & Efficient
Activation



ActCel T Cell Activation Reagent

Product No.: GMP-TL6001-1000 Batch No.:XXXXXX
Specification: 1mL Manufacturing Date:xxxx.xx.xx
Storage Conditions: 2~8°C Expiration Date:xxxx.xx.xx

T&L Biotechnology *Details in instruction manual.

ActCel T Cell Activation Reagent

Accelerating T Cell Therapy with Precision & Efficiency

ActCel T Cell Activation Reagent is designed for the activation and expansion of T cells *in vitro*, particularly in the production of T cell therapies such as CAR-T and TCR-T.

This reagent enables the rapid and efficient activation and expansion of T cells, supporting the production of the large-scale cell quantities required for clinical applications.

¹ 50nm nanoparticles provide consistent activation and prevent sedimentation during use.

² No dissociation step required, minimizing risks and simplifying handling.



tlbiotech.com

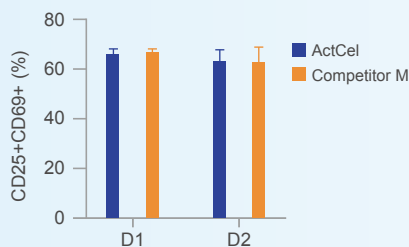


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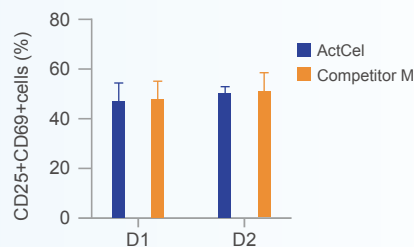
Why choose ActCel?

Activation Efficiency

Freshly isolated CD4/CD8 T cells post-apheresis



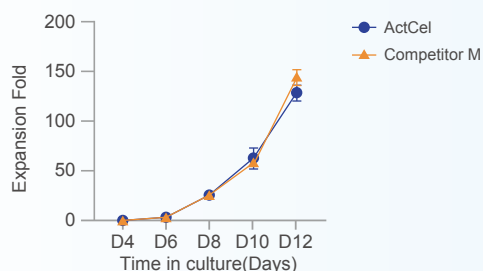
Cryopreserved CD4/CD8 T cells



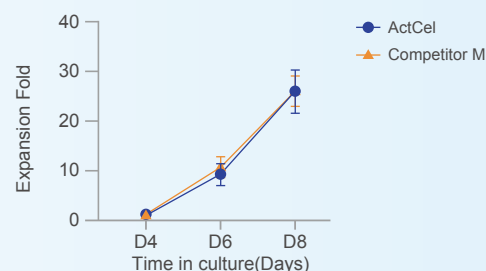
Activation status of fresh and cryopreserved (thawed) T cells stimulated with ActCel and Competitor M for 24h and 48h. Data indicates ActCel achieves comparable activation efficiency to Competitor M.

Expansion Efficiency

Freshly isolated CD4/CD8 T cells post-apheresis



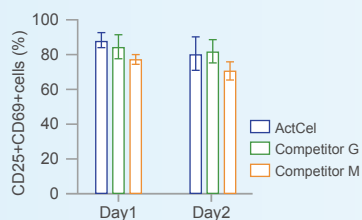
Cryopreserved CD4/CD8 T cells



Expansion of fresh and cryopreserved (thawed) T cells stimulated with ActCel and Competitor M. Data shows ActCel delivers comparable expansion performance to Competitor M.

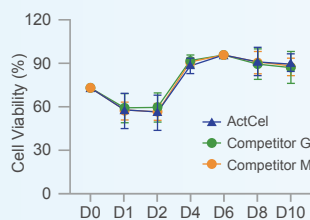
ActCel T Cell Activation Reagent(TL-6001)Customer Data

Activation Efficiency



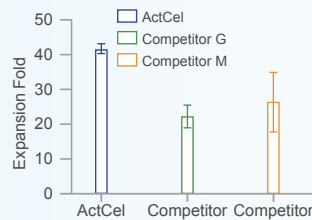
ActCel exhibits activation efficiency comparable to Competitor G and superior to Competitor M.

Cell Viability



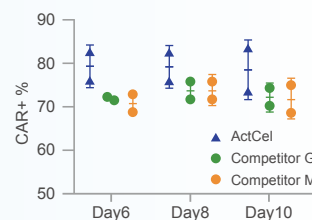
Cell viability shows minimal differences among the three products.

Day 10 Cell Expansion



ActCel demonstrates significantly higher expansion efficiency on Day 10 compared to Competitors G and M.

CAR Positivity Rate



ActCel achieves slightly higher CAR positivity rates than Competitors G and M.

Product Parameters

Catalog Number	Product Name	Grade	Specification	Activation Capability
GMP-TL6001-1000	ActCel T Cell Activation Reagent	GMP Grade	1mL	Up to 2×10^8 T cells
TL-6001-1000		RUO Grade	1mL	Up to 2×10^8 T cells

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