SZABO SCANDIC

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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Information

Description:	TCellM™, Serum-Free medium is an optimized serum-free cell culture medium to cultivate primary T and CAR (chimeric-antigen receptor)-T cells.
Formulation:	Contains Iscove's MDM, 2-Mercaptoethanol, insulin, and other supplements.
Quality:	Sterile filtered (0.2 µm) and Mycoplasma-free. All components are low endotoxin.
Storage:	Upon receipt, the medium should be stored in the dark at -20°C. After thaw at Room Temperature (RT) or overnight at 2-8°C (do not thaw above 37°C), media should be stored at 2-8°C up to one month. Alternatively, aliquots can be made at first thaw and stored at -20°C.
Stability:	Do not exceed 37°C. When stored in the dark at -20°C, the product is stable for one year. Avoid repeated freeze/thaw cycles.

Directions for Use:

1. Thaw T cell medium at room temperature (15-25°C) or overnight at 4°C. Mix thoroughly.

   NOTE: If not used immediately, store at 2-8°C for up to 1 month. Alternatively, aliquot into tubes and store at -20°C. After thawing aliquots, do not re-freeze.

2. Add desired cytokines, growth factors, and other components to T cell medium. Mix thoroughly. Set up cultures as desired.

Validation Data

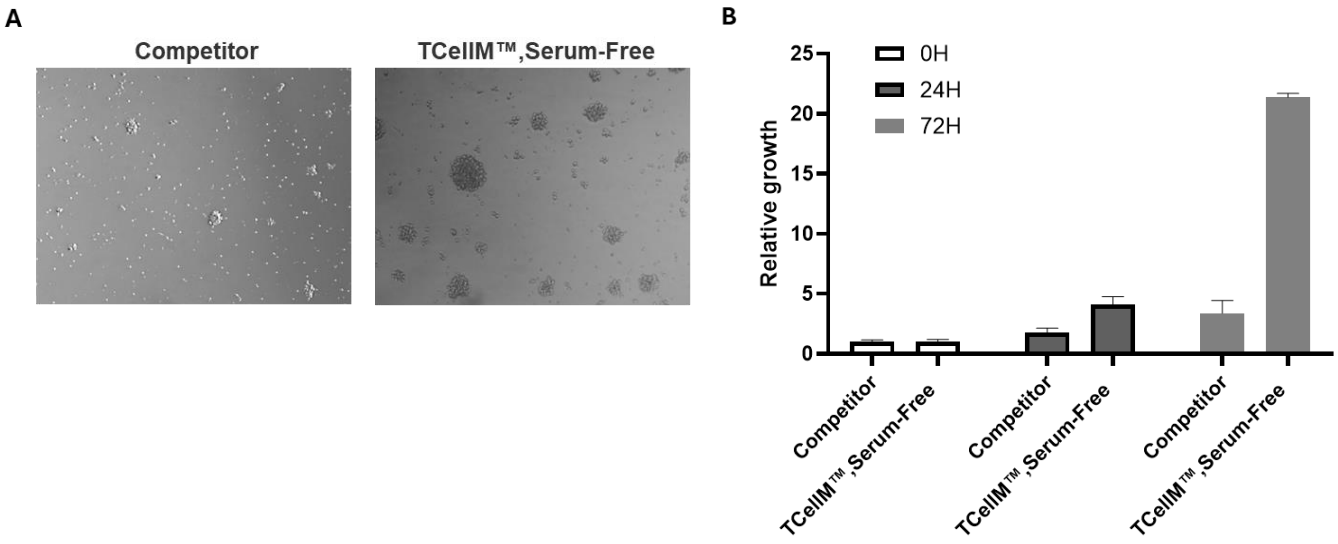

Figure 1. TCellM™, Serum-Free medium can promote higher primary T cell expansion than competitor products. Isolated T cells from PBMC (BPS Bioscience #79059) were activated and cultured in competitor's T cell medium and in TCellM™, Serum Free, supplemented with 10 ng/ml Recombinant human IL-2 (BPS Bioscience #90184). **A**. Bright-field microscopy images of T cell morphology during expansion. **B.** Comparative T cell expansion profile, at different days during expansion, was determined with Cell Counting Kit-8 (ApexBio #CCK-8).

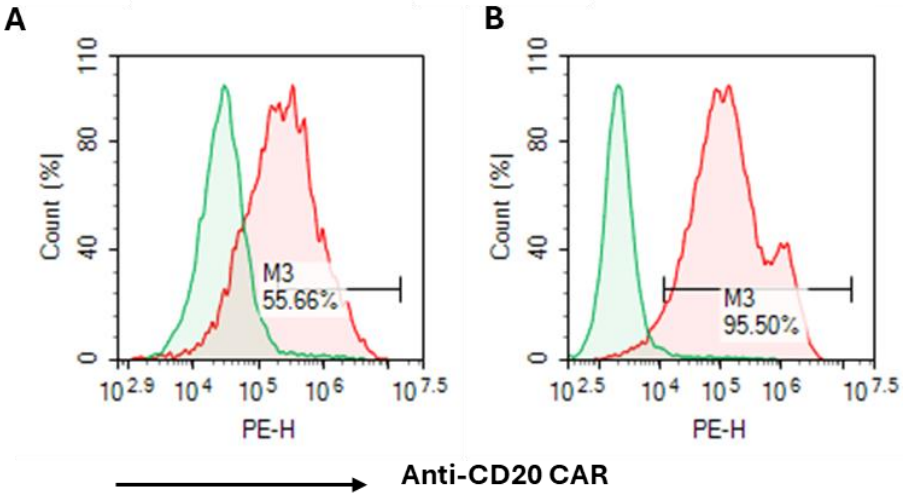

Figure 2. CAR-T generation with TCellM™, Serum-Free medium.
Approximately 20,000 $CD4^+$ and $CD8^+$ activated T cells were transduced with 400,000 TU Anti-CD20 CAR Lentivirus (BPS Bioscience #78606), MOI of 20, in the presence of 5 µg/ml of Lenti-Fuse™ Polybrene Viral Transduction Enhancer (BPS Bioscience #78939) by spinoculation. Cells were maintained in TCellM™, Serum Free supplemented with 10 ng/ml Recombinant Human IL-2 (BPS Bioscience #90184). Anti-CD20 CAR expression was analyzed at day 4 (**A**) and day 7 (**B**) post transduction by flow cytometry using Biotinylated Protein-L (Genscript #M00097) and PE-Streptavidin (BioLegend #405203).