

TheraPEAK[®] T-VIVO[®] Cell Culture Medium



Enhancing T-cell Culture to Accelerate Therapy Development

Reduce variability concerns with TheraPEAK[®] T-VIVO[®] Cell Culture Medium and achieve greater cell proliferation and viabilities along with increased process efficiencies. Its novel chemically defined formulation is serum-free and non-animal origin (NAO), ensuring consistency and increased process control.

TheraPEAK[®] T-VIVO[®] Medium enhances the culture and expansion of:

- T cells
- CAR-T cells
- Peripheral blood lymphocytes (PBL)
- Tumor infiltrating lymphocytes (TIL)

With traceability documentation available including Certificates of Analysis and a Drug Master File, TheraPEAK[®] T-VIVO[®] Cell Culture Medium simplifies processes, supports regulatory compliance, and scale up from preclinical development through to manufacturing.

Features and benefits

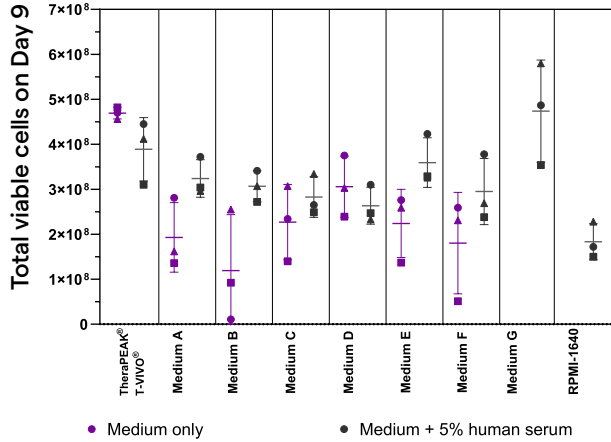
- NAO formulation; contains only recombinant proteins
- Does not require serum or serum component addition
- Greater cell proliferation
- Easy-to-use formulation only requiring addition of cytokines
- High transduction efficiencies and post-transduction viabilities
- Produced according to current GMP guidelines

TheraPEAK[®] T-VIVO[®] Medium is supported with protocols, application data and our world class scientific support team.

With demonstrated performance in a variety of platforms including static T-flasks, spinner flasks, gas-permeable cell expansion devices, rocking platform bioreactors, stirred-tank bioreactors and the Cocoon[®] Platform, TheraPEAK[®] T-VIVO[®] Medium allows you to successfully generate patient treatments for numerous indications.

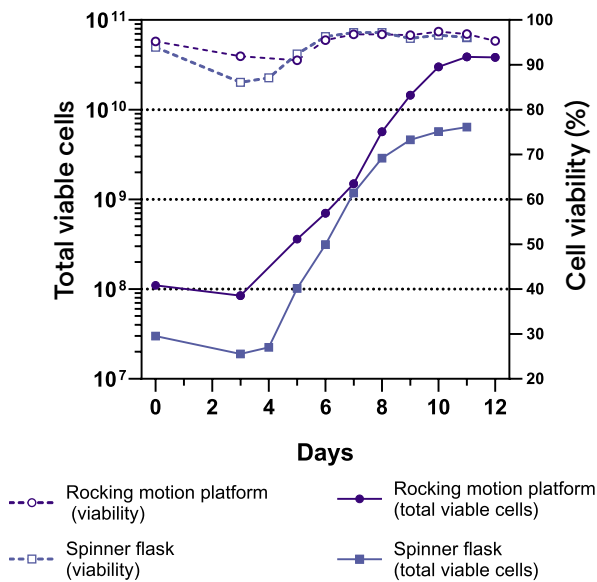
Optimal performance across different platforms

T-cell expansion in TheraPEAK® T-VIVO® Medium compared with other commercial media in a gas-permeable cell expansion device



TheraPEAK® T-VIVO® Medium supports efficient T-cell expansion in a gas-permeable cell expansion device compared with various commercial media. All culture media are supplemented with recombinant human IL-2 (100 IU/mL). Each donor is represented by the **▲■●** symbol. Human AB serum (5%) is also added to each medium for comparison purpose (black symbols). Medium G and RPMI-1640 do not support T-cell growth without the supplementation of human AB serum.

Scale-up T-cell expansion in rocking motion platform and spinner flask using TheraPEAK® T-VIVO® Medium



Full-scale T-cell expansion in spinner flask or rocking motion platform bioreactor. Peripheral blood mononuclear cells are activated via CD3 and CD28 and expanded with TheraPEAK® T-VIVO® Medium for up to 12 days. TheraPEAK® T-VIVO® Medium is supplemented with recombinant human IL-2 (100 IU/mL).

Place your order or contact us for further information

Catalog no.	Description	Size and packaging
BP08-970Q	TheraPEAK® T-VIVO® Cell Culture Medium	1 Liter bottle
BP12-970Y	TheraPEAK® T-VIVO® Cell Culture Medium	1 Liter bag

Customization of packaging for specific applications is available. Please contact Scientific Support for additional information.

Contact Us

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All TheraPEAK® Products are produced according to applicable GMP standards and follow the USP/EP guidance for cell and gene therapy raw materials. It is the end user's responsibility to ensure full compliance with all regulations based on their use of Lonza's products in their specific process. TheraPEAK® Media Products are produced at FDA registered manufacturing sites with an ISO 13485 certified quality management system. This product is not for human or animal *in vivo* use, including use as a diluent or as an excipient, or for diagnostic use. This product is for use in GMP manufacturing processes or research use only. All trademarks belong to Lonza, registered in USA, EU or CH or to third party owners and used only for informational purposes. The information contained herein is believed to be correct and corresponds to the latest state of scientific and technical knowledge. However, no warranty is made, either expressed or implied, regarding its accuracy or the results to be obtained from the use of such information and no warranty is expressed or implied concerning the use of these products. The buyer assumes all risks of use and/or handling. Any user must make his own determination and satisfy himself that the products supplied by Lonza Group Ltd or its affiliates and the information and recommendations given by Lonza Group Ltd or its affiliates are (i) suitable for intended process or purpose, (ii) in compliance with environmental, health and safety regulations, and (iii) will not infringe any third party's intellectual property rights. The user bears the sole responsibility for determining the existence of any such third party rights, as well as obtaining any necessary licenses. For more details: www.lonza.com/legal.

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