ImmunoCell® Growth Medium

Bottles (1000 mL) Cat # AK9985-1000

Product Description:

Akron's ImmunoCell® Growth Medium (ICGM) product is a serum-free medium formulated for the culture of human T cells intended for therapeutic treatment. Akron developed and launched ICGM as a basal T cell medium with the capacity to promote superior growth in peripheral blood mononuclear cells, isolated monocyte cultures, and T cells. Akron's ICGM has been successfully evaluated by several partners on their cell therapy platforms using T cells isolated from healthy donors.

ICGM is designed to be serum-independent, and does not require supplementation with serum products. It is also free of cytokines, enabling the user to add the ideal combination and concentration as necessary for their specific cell product. Sterile filtration and aseptic filling are performed as part of the cGMP manufacturing process. Release testing performed to enable the release of each batch includes Mycoplasma, Endotoxin, and Sterility testing on the final product. Our T cell medium is packaged in PETG bottles and available in a 1 L aliquot size. Custom fill in different size bottles and bags are available upon request.

Product Features:

- Antibiotic-free
- Serum-free and animal origin component-free
- Manufactured in compliance with cGMP guidelines
- Memory phenotypes of cells are maintained when cultured
- Maintains function when subjected to environmental stresses such as light, elevated temperature, and freeze-thaw cycles

Release Testing:

- Appearance (Visual Inspection)
- pH (Potentiometric)
- Osmolality (USP <785>)
- Functional Bioassay (*Ex vivo* Jurkat T cell Expansion)
- Mycoplasma (PCR)
- Endotoxin (USP <85> / EP 2.6.14)
- Sterility (USP <71> / EP 2.6.1)

Stability:

- Store at 2-8 °C
- Transport on cold packs

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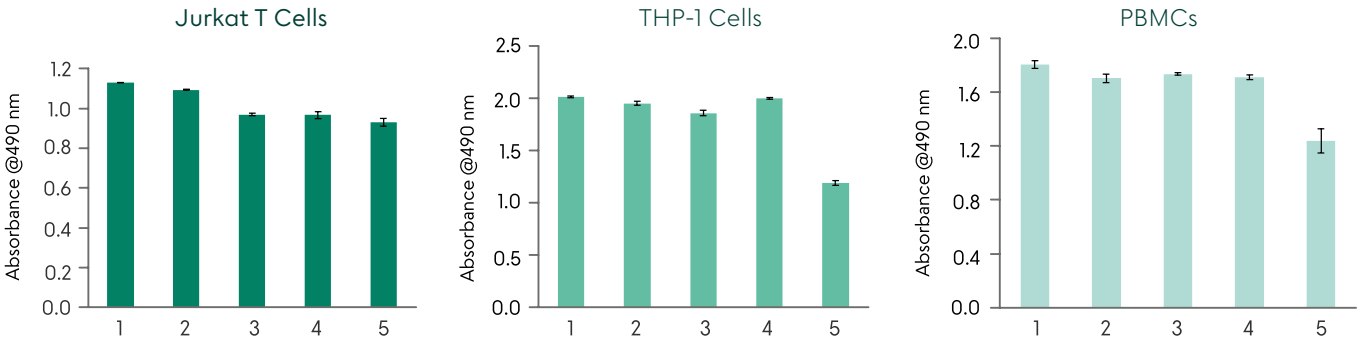
For Use Statement:

For research and further manufacturing use only. Not for human use.

Functionality:



Functional bioassay results for four different lots of Akron's ICGM (bars 1-4) compared against a commercial competitor T cell medium (bar 5). Jurkat T cells were seeded at 20,000 cells per well and supplemented with IL-2 at 100 units/mL, THP-1 cells were seeded at 30,000 cells per well, and PBMCs were seeded at 300,000 cells per well. Cells were allowed to incubate for 3 days at 37 °C then proliferation was measured using an MTS-based colorimetric viability assay.

Related Products:

Catalog Number	Product Name	Size
AR1045-0010	Recombinant Human In terleukin-2 (rHu IL-2) Closed System Solutions (CSS)™	1 MIU
AR1050-0020	Recombinant Human In terleukin-2 (rHu IL-2) Closed System Solutions (CSS)™	15 MIU
AR1013-0100	Recombinant Human Interleukin-7 (rHu IL-7) Closed System Solutions (CSS)™	100 µg
AR1003-0050	Recombinant Human Interleukin-15 (rHu IL-15) Closed System Solutions (CSS)™	50 µg
AK8223-0100	Recombinant Human Interleukin-2 (rHu IL-2)	100 µg
AK8223-1000	Recombinant Human Interleukin-2 (rHu IL-2)	1 mg
AK9842-0040	Recombinant Human Interleukin-7 (rHu IL-7)	40 µg
AK9823-0040	Recombinant Human Interleukin-15 (rHu IL-15)	40 µg
AK9833-0040	Recombinant Human Interleukin-21 (rHu IL-21)	40 µg

For more information on our available products or for technical assistance, see contact info below.
For contract orders under master supply agreement, please inquire.