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Checklist for Using Akadeum Cell Therapy Kit Products

This checklist is written for first-time users of Akadeum cell therapy kit products, including the **Human T Cell Leukopak Isolation Kit**, **Human T Cell Depletion Kit**, and **Human T Cell Selection, Activation, and Expansion Kit**. The checklist is used for CR, GMP, and RUO-grade products.

*This checklist is not designed to be used by Alerion™ users.

*Vendors listed are examples, users can choose vendors based on preference

Supplies needed for manual processing in tubes:




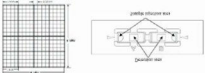
Item	Vendor & Reference	Notes
Pasteur Pipettes – 6” or 9”; glass or plastic	 KIMBLE Disposable Glass Pasteur Pipet, Sterile	To be used with an electronic pipettor, for retrieving cell pellets in subnatant layer, or be used with an aspirator for removing MB layers.
5ml centrifuge tubes	 Globe-Scientific (VWR) Centrifuge tubes-5-ml-sterile	For processing cells in the 100s of millions.
1.7ml centrifuge tubes	 Sure-Seal (VWR) Sterile microcentrifuge tubes 1.5ml	For processing less than 100 million cells.
50ml Conical tube	 Heathrow-Scientific (VWR) Conical tube sterile 50ml	For processing less than 5B cells.

Contact Us

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Supplies needed for manual processing in tubes:

Item		Vendor & Reference	Notes
End-over-end Rotator		VWR® Tube Revolvers	For effective end-over-end antibody and microbubble mixing
Rotator tube holders		Accessories for VWR® Tube Revolvers	Options for holding 1.5ml, 5ml and 50ml centrifuge tubes
Pipette controller with adjustable speed		Cole-Parmer Omega Zen® Pipette Controller	For retrieving cell pellets from the subnatant layer, with glass Pasteur pipettes
Microscope and Hematocytometer; or automated cell counter		MedOne C-Chip™ Disposable Hemacytometers	For cell counting, with the ability to count at least white blood cells and/or total cells

Additional supplies needed for manual processing in bags:

Item		Vendor & Reference	Notes
Tubing clamps or tube clips		Dravon Medical Plastic tubing clamp	For controlling fluid flow during transfer
Sterile tubing welder		Terumo BCT TSCDII sterile tubing welder	Connect PVC tubing in any combination of wet and dry to maintain a functionally closed system.
Tubing sealer		Terumo BCT Sealers	For disconnecting tubing in a functionally closed system.
50 to 100ml sterile syringes with luer lock		Fisherbrand™ Sterile Syringes for Single Use	For transferring reagents from bottles to transfer bags.
50, 100, 300, 600ml transfer bags		Terumo BCT Transfer Bag, 300 mL	For in-bag mixing of antibody cocktail and microbubbles with cells. Different volumes are used for different starting cell quantities.

For more information about Akadeum Products and the power of Microbubbles, visit Akadeum's website at akadeum.com



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