

Toward the Future of Cell Selection.

Isolex® 300i

The new generation 300i makes CD34+ selection fully automated for consistently optimal results.

Effective

The new 300i continues to provide the high purity and yield associated with the ISOLEX immunomagnetic separator. Moreover, the new PR34+™ releasing agent yields CD34+ cells free of surface contamination and ready for further immunoselection or reinfusion.

Fast

No other selection system is faster. The procedure takes about 2 hours and 40 minutes, from the time the "start" button is pressed until the purified cells are collected. This provides unparalleled flexibility in scheduling procedures within normal laboratory hours.

Efficient

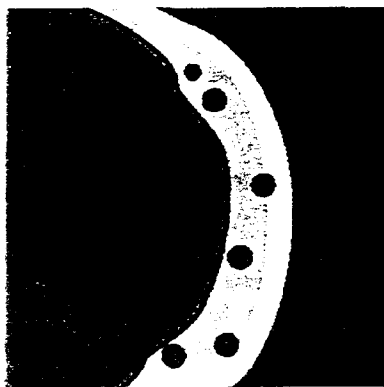
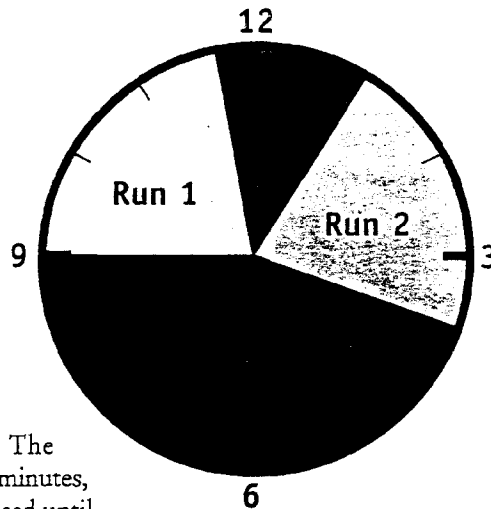
All cell preparation and washing is done automatically and consistently, thanks to the 300i's unique integrated cell washer. After the initial 15 minute set-up, operators are free for other laboratory work.

Flexible

The ISOLEX immunomagnetic system is a uniquely flexible platform for future applications in cell selection. Baxter Immunotherapy scientists are working constantly on future applications for the 300i platform, such as selection of other cell types or multiple immunoselections. The ISOLEX 300i separator is literally moving "toward the future of cell selection."

Safe

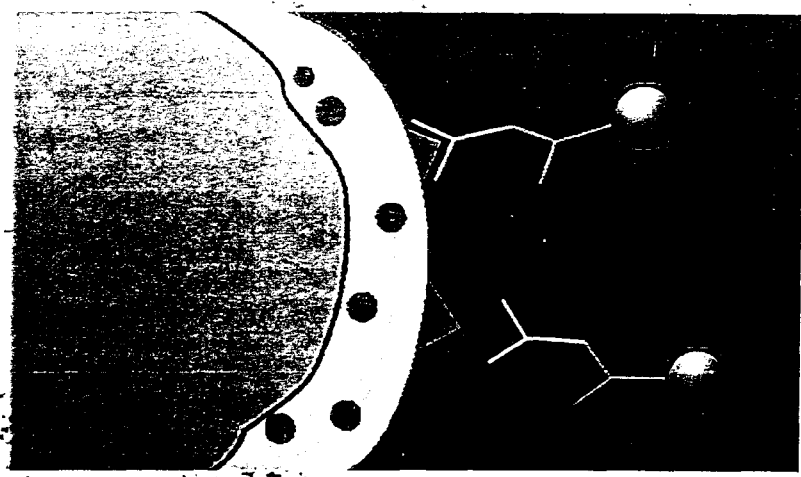
The 300i disposable set is gamma-sterilized, and contains multiple filters to keep microbes from entering the flowpath. To further ensure safety, the disposable set and reagent kit have passed extensive safety and toxicity tests.



NEW PRODUCT

PR34+™ Stem Cell Releasing Agent

Isolex® 300 Magnetic Cell Separator System



PR34+ Releasing Agent competes for the binding site of the CD34 antibody. This mechanism releases the entire bead/antibody complex from the cell surface.

The new PR34+™ Releasing Agent for use with the Isolex® System employs breakthrough technology to deliver complete cell surface integrity.

Unlike other selection methods, the ISOLEX system with PR34+ releasing agent is designed to eliminate residual surface antibody or magnetic particles, keeping the cell surface free for additional immunoselection. The potential for immunogenic reactions after infusion may also be reduced compared to other selection systems in which residual antibody or particle/antibody complexes remain as contaminants on the cell surface.

A New Standard In Cell Surface Integrity.

The Isolex® Stem Cell Reagent Kit with New PR34+™ Releasing Agent...

Isolex® | PR34+™

A new standard in cell surface integrity.

Cell surface free of contaminants

- Selected cells are free of magnetic particles or antibodies that may interfere with subsequent negative or positive selection or immunophenotyping.

Uniquely powerful and specific release

- More than 10¹⁰ peptides were screened to identify the single octapeptide that most successfully competes with the CD34 antigen for the same binding site on the ISOLEX CD34 antibody.¹ The result is an anti-idiotypic release system that assures unsurpassed purity and yield compared to nonspecific physical release mechanisms.

Cell surface antigens remain intact

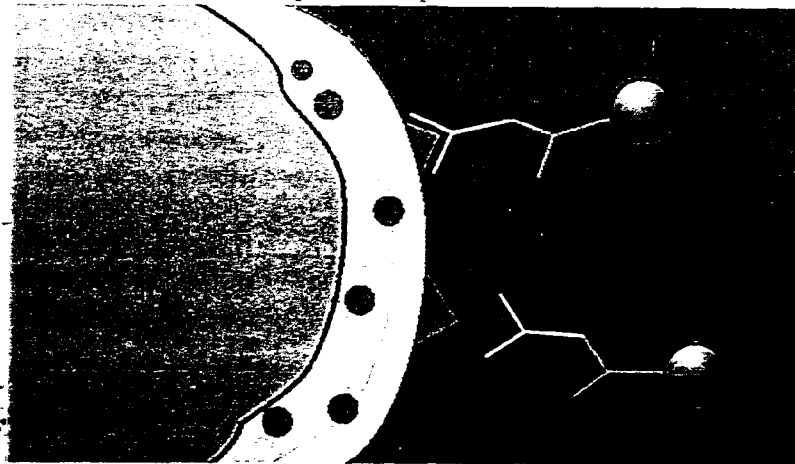
- Selected CD34+ cells remain fully functional and viable, with excellent expansion capability.² Unlike enzymatic release mechanisms, cell surface antigens remain intact and fully support immunophenotypic analysis or additional immunoselection.

Convenience and quality

- No measurement, calculation or reconstitution is required for addition of reagents. The ISOLEX kit is simple and easy to use right out of the box. All kit components are manufactured to GMP standards.

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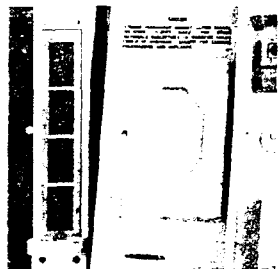
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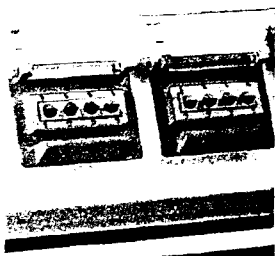
The new Isolex® 300i Magnetic Cell Separator employs advanced technology to make cell selection easier, faster, and more reproducible from procedure to procedure, lab to lab. An integrated cell washer means that for the first time ever each step of CD34+ selection—including cell preparation and washing—is automated, saving time and increasing laboratory efficiency.

Toward the Future of Cell Selection.

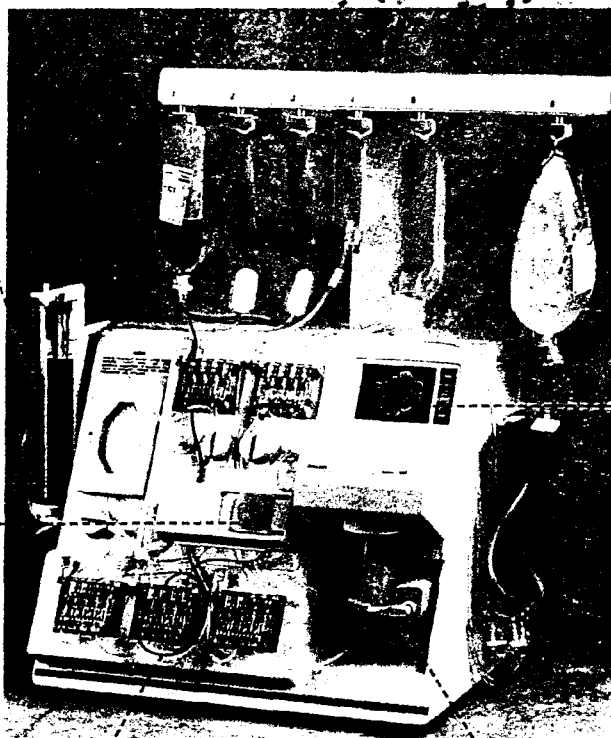


The large **primary magnet** and chamber is engineered to perform CD34+ cell capture and release, while the octagonal **secondary magnet** and chamber is designed to remove any remaining beads prior to final collection of purified CD34+ cells.

The heart of the ISOLEX 300i separator consists of four **high-precision pumps** that move fluid throughout the closed fluid path.

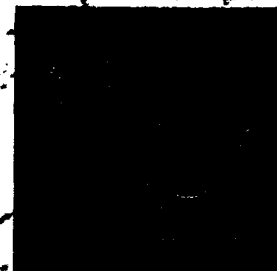


Numerous fluid pathways are controlled throughout the procedure by a sophisticated system of **computer-controlled clamps**.



Isolex® 300i

Weight sensors continuously inform the on-board computer about fluid flow-rates and volumes, which the system uses to assure process integrity.


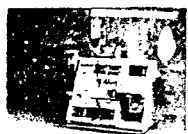



A **touchscreen** shows constantly updated information on procedure status, fluid volumes and flow rates.



The **spinning membrane** operates at speeds up to 3,700 revolutions per minute, yet gently washes cells in a fraction of the time it would take on a separate centrifuge or cell

Ordering Information

	Code	Description
	R9752	Isolex® Stem Cell Reagent Kit
	R9750	Isolex® 300i Magnetic Cell Separator
	R9751	Isolex® 300i Disposable Set

For inquiries or placing an order please contact your local Baxter representative below:

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ISOLEX is a trademark of Baxter International Inc. and is registered in the United States and various European countries; additional registrations have been applied for throughout the world. Patents pending.

PR344 is a trademark of Baxter International Inc. with registrations being sought in the United States and worldwide. Patents pending.

In the U.S., the ISOLEX system is limited by FDA regulation to use under an Investigational Device Exemption.