



Cell Therapy Technologies

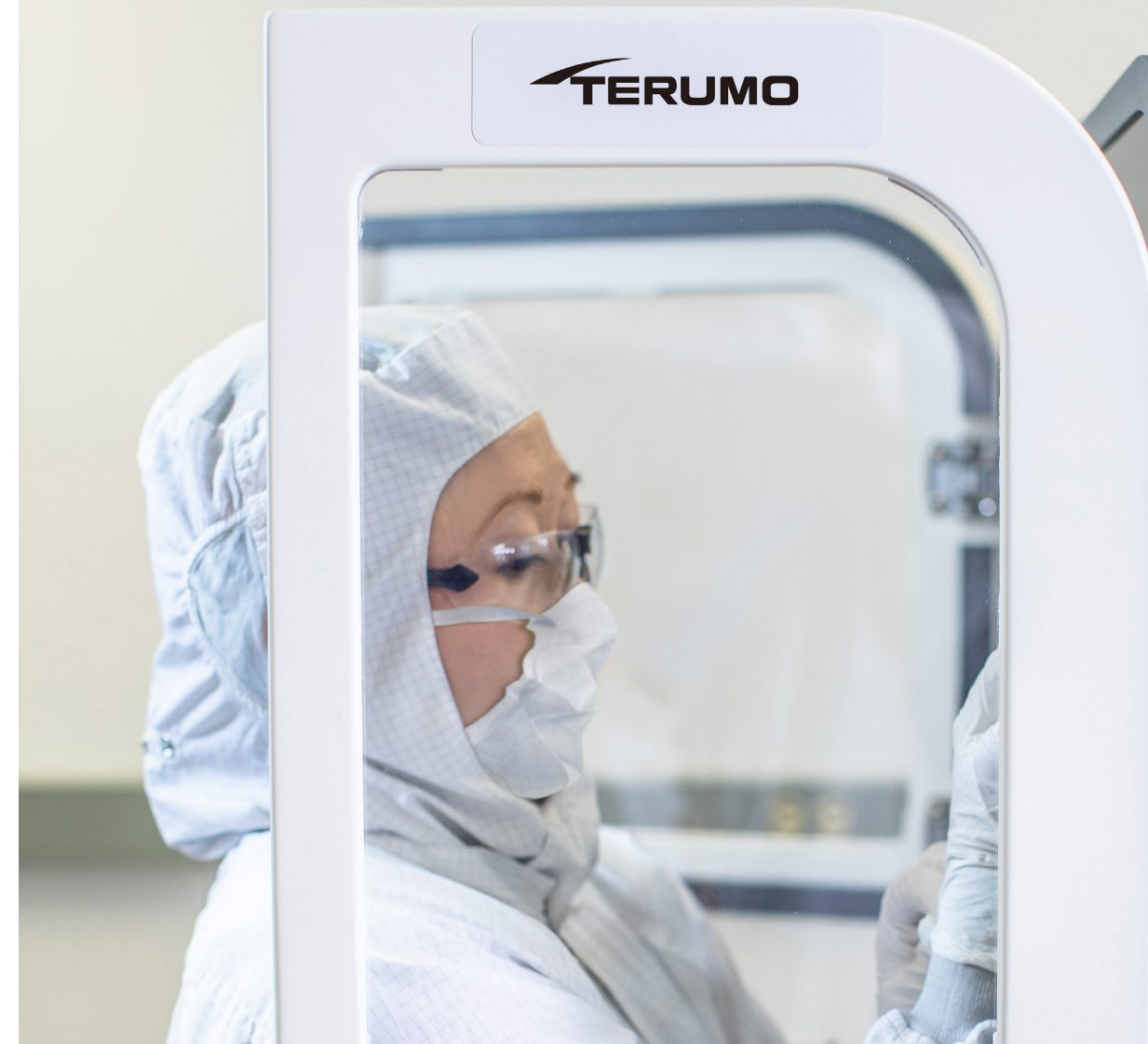
Elevate Your Process

An elevated process.

That's the treatment your therapy deserves.

From cell collection to fill and finish, we're with you at the most critical points of your process with manufacturing platforms and services that can help you deliver better outcomes for patients.

Our more than 40 years of proven expertise in cell collection and handling ensures that we provide state-of-the-art manufacturing platforms with analytics to provide insights across every step of your process, all supported by collaborative problem-solving and responsive customer service. This lets you realize the best start possible for your cells, scale your therapy while maintaining quality, and deliver transformative outcomes for patients.



Introduction

Designed For
Cell Therapy

Connect Your
Workflow

Improve With
Better Insights

Solutions

Contact Us

Your Benefits

- Orchestrate your process with systems designed for cell therapy manufacturing
- Connect your workflow to monitor processes and increase uptime to boost productivity
- Advance therapies to market with an industry leader that invests in collaborations, innovations, and services

Systems designed for cell therapy.

In a rapidly evolving market, it's important to have a partner that can elevate your process by providing systems and services that are specifically designed for cell therapy manufacturing. Our systems help you minimize errors and downtime¹ throughout the cell therapy life cycle — from process development scale to commercial manufacturing.



- Automation can de-risk and accelerate your process¹
- Our solutions eliminate the need for manual and redundant documentation to support GMP compliance and help reduce process delays²

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Connect your workflow.

As processes advance and throughput increases, managing multiple devices can be cumbersome. This added complexity may create additional risks to the workflow and losses to productivity. Our technology provides transparency and visibility throughout your process, across multiple systems in your workflow, to help you maximize your efficiency in getting therapies to patients.³



- Control your process with automation
- Our systems can create, execute, and save protocols both on or off the device — from individual systems or across your fleet of systems
- Scale out to scale up with multiple devices connected through the Cell Processing Application (CPA) software

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Improve your results with better insights.

Our solutions build visibility into the process so that you can analyze, troubleshoot, and adjust over time. With improved transparency, we can help optimize your process and automate data generation for batch records.

Our software solutions:

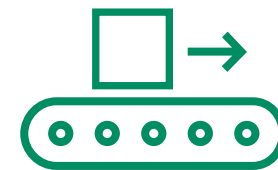
- Ease manual data-logging efforts
- Provide electronic reports
- Enable data integrity and GMP compliance⁴



Data-driven decisions



Visibility into the process



Optimized starting product



Achievement of therapy objectives

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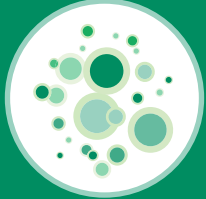
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Solutions for the important stages of your process.

We offer a range of modular, automated solutions to streamline, simplify, and optimize the most complex parts of your process.



Collect



Expand



Fill and Finish



Weld/Seal



Analytics and Consulting

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Spectra Optia® Apheresis System

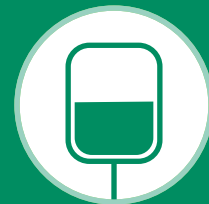
94%

of white blood cell apheresis collections in North America (excluding ECP) are performed on the Spectra Optia system.⁵

67%

of white blood cell apheresis collections globally (excluding ECP) are performed using the Spectra Optia system.⁶

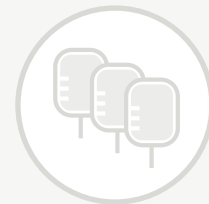
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Quantum Flex™ Cell Expansion System

As few as

2M

T cells seeded directly into the small bioreactor without the need for manual preculture⁷

Culture

>10B

cells with the standard bioreactor (> 2 billion cells with the small bioreactor)⁸

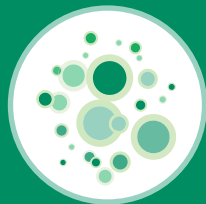
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harvest volume for simplified downstream reporting⁹

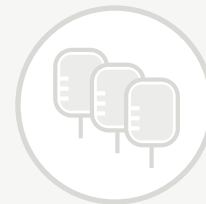
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Collect



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Weld/Seal



Analytics and Consulting

Solutions for the important stages of your process.

FINIA® Fill and Finish System

> 90%

Post-thaw cell viability¹⁰

> 95%

Post-formulation cell viability¹¹

5%

Uniformity level of cell concentrations in product bags¹²

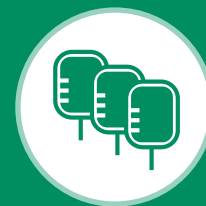
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Solutions for the important stages of your process.

TSCD®-II Sterile Tubing Welder and SCD® IIB Sterile Tubing Welder

Safeguard your process with reliable sterile tubing welders and sealers. Welding can help you maintain a closed system.

Welders and Sealers

- Reliable
- Fast
- Aseptic

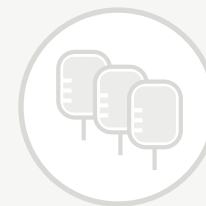
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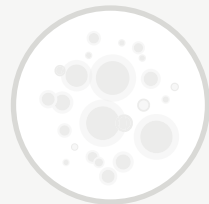
Veda Solutions can assist with:

- Product, process, and technical training
- Product qualification, including IQ/OQ
- Cell collection optimization
- Comprehensive analysis from pre-procedure data through final therapy results
- Process optimization consulting
- Collection-site comparison and benchmarking
- On-site and off-site systems support and maintenance

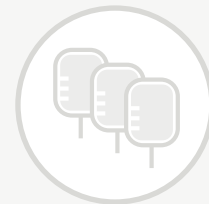
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Learn how we can help you
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[Request a Consultation](#)



Product availability is based on regulatory approvals in each country.
1-12 Data on file at Terumo Blood and Cell Technologies.

Terumo Blood and Cell Technologies is a medical technology company. Our products, software, and services enable customers to collect and prepare blood and cells to help treat challenging diseases and conditions. Our employees around the world believe in the potential of blood and cells to do even more for patients than they do today. TerumoBCT.com ©2023 Terumo BCT, Inc. | CG-FFAF-00166