

## Get to the next phase of your development faster with West

# West **READY PACK**®

Cell-based therapies are a unique solution to a variety of health issues. Selecting the right packaging components for your cell line can help mitigate risks of breakage and cell death, enhance your ability to conduct crucial stability and integrity testing, and enable ease of transition to the next phase of development.

### THE CHALLENGE OF CRYOGENIC STORAGE



Cell lines require low temperature storage. Glass packaging containers can't handle the challenges of cryogenic storage, nor can they maintain seal integrity at these temperatures. Issues like breaking and cracking when the vials are handled or brought to room temperature can be wasteful and increase your costs.

You can help reduce these issues with Daikyo Crystal Zenith® (CZ) vials, made from a break-resistant cyclic olefin polymer with excellent thermal characteristics that can withstand cryogenic temperatures, sterilization by autoclave and container closure integrity at low temperatures.

### ISSUES DURING INSPECTION

Think cryovials are the best way to package your cell lines? Think again. Many cryovials are not transparent, making visual inspection difficult. Daikyo CZ vials are clear, allowing for 100% vision inspection.



### WEST READY PACK® COMPONENTS – A CLEAR SOLUTION



By tackling packaging challenges early in development with a solution designed to withstand the rigors of cryogenic freezing and thawing, you'll save time and effort, and help smooth the path from R&D to the next phase of development.

West Ready Pack vials, stoppers and seals can help you get through the next phase of your development, and scale-up is simple because there's no need to change packaging.

Contact West or visit [www.westpharma.com](http://www.westpharma.com) today to learn more about how the West Ready Pack components can help you get to the next phase of your development while mitigating the risks associated with cryogenic storage.

**West Pharmaceutical Services, Inc.** | 530 Herman O. West Drive, Exton, PA 19341

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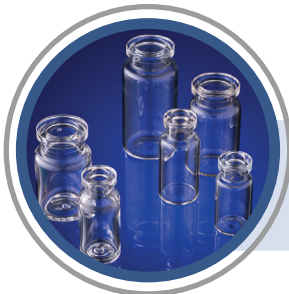
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## Sterile Packaging Components for Cell Therapy

### West READY PACK®

Available in small quantities and ideal for use during research and development, West Ready Pack vials, stoppers and seals are your one-source solution for cell-therapy product development drug packaging needs.



#### VIALS

Select 2mL or 5mL Daikyo Crystal Zenith vials manufactured from a break-resistant cyclic olefin polymer that is suitable for low temperature storage and shipping.



#### STOPPERS

Choose a formula and style for U.S., European or global markets, allowing for worldwide delivery and compatibility.

- 13mm and 20mm serum closures



#### SEALS

Maintain container closure integrity with Flip-Off® seals. The seals are available in a sterile, ready-to-use format.

### Contact West

Visit [www.westpharma.com](http://www.westpharma.com) today to learn more about how West Ready Pack components can help you get to the next phase of your development while mitigating the risks associated with cryogenic storage.



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