

Westar®  
Ready-to-Use  
Cartridge Components

**West**   
By your side  
for a healthier world™

**Westar RU**  
**STERILE**  
Ready-to-Use Components



### The Component Solution for Risk Reduction

Component processing is a source of risk and variability, especially for loose particulate and silicone oil that can compromise quality, putting patients at risk. You can simplify your drug development strategy and streamline manufacturing by selecting cartridge plungers and lined seals in a ready-to-use format.

World-class cartridge components are manufactured for consistency and quality. So why not rely on the experts? Our industry-proven Westar® component processing reduces the risk of variability and its potential effects on drug quality, safety and efficacy.

Westar cartridge components can help reduce the risk of product loss and failures.

Here is what you receive with Westar components:

- Validated particle levels in specified size ranges.
- Enhanced device functionality because of the optimized silicone level on the plungers.
- Excellent re-seal properties to meet multi-dose requirements.
- Lower levels of potential extractables, a result of steam sterilization.
- The confidence that your drug cartridge components are manufactured from market-proven elastomer formulations.

You can choose Westar cartridge components in ready-to-use or ready-to-sterilize formats for flexibility in operations. With either choice, your components are supported by detailed technical knowledge documentation packages.

#### FOR MORE INFORMATION

**West Pharmaceutical Services, Inc.**  
North America: +1 800 231 3000  
South America: +55 11 4055 6061  
Europe: +49 0 2403 79 60  
Asia Pacific: +65 6862 3400  
[www.westpharma.com](http://www.westpharma.com)