



Because Clean Sealing Matters



www.westpharma.com

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West Flip-Off® Seals are the ideal solution for your operational and regulatory challenges to consistently achieve reproducible and safe container integrity of your pharmaceutical product.

Our enhanced Flip-Off® Seal qualities Flip-Off® Plus^{RU} and Flip-Off® CCS will help to significantly increase your operational efficiency while meeting highest market and regulatory requirements addressing drug cleanliness and safety.



West Flip-Off® Seal

- High quality components
- Vision control
- Consistent and clean seal edge through TruEdge®
- Reliable capping success
- User friendly flip off forces

West Flip-Off® Plus^{RU}

- Based on Flip-Off Seal
- Bioburden controlled & specified before sterilization
- Sterile Ready-to-Use seals
- Developed for clean crimping under grade A air supply

West Flip-Off® CCS

- Based on Flip-Off Seal
- Clean, Certified, Sterilized (CCS)
- Sterile Ready-to-Use seal
- Clean room assembly
- Specified low bioburden level before sterilization
- Specified low particle level
- Reduced aluminum abrasion
- Developed for aseptic crimping inside grade A environment

Product / Process Features	Flip-Off® Seal	Flip-Off® Plus ^{RU}	Flip-Off® CCS
Flip-Off button wash prior to assembly	—	—	✓
Aluminum shell coating for low particle abrasion	—	—	✓
Specified Particle Level	—	—	PCI ≤10
Specified Bioburden Level before sterilization	—	≤ 20 CFU/100cm ²	≤ 5 CFU/100cm ²
Assembled in controlled environment	—	controlled, not classified	ISO 8
Flip-Off button bioburden control before assembly	—	✓	✓
Gamma stable Flip-Off button	—	✓	✓
Sterile product for immediate use	—	✓	✓
Validated RU packaging concept (transit simulation and shelf life)	—	✓	✓
West high quality aluminum and plastic materials (e.g. providing fewer dents)	✓	✓	✓
TruEdge® providing consistent capping success	✓	✓	✓
100 % vision control providing superior quality	✓	✓	✓