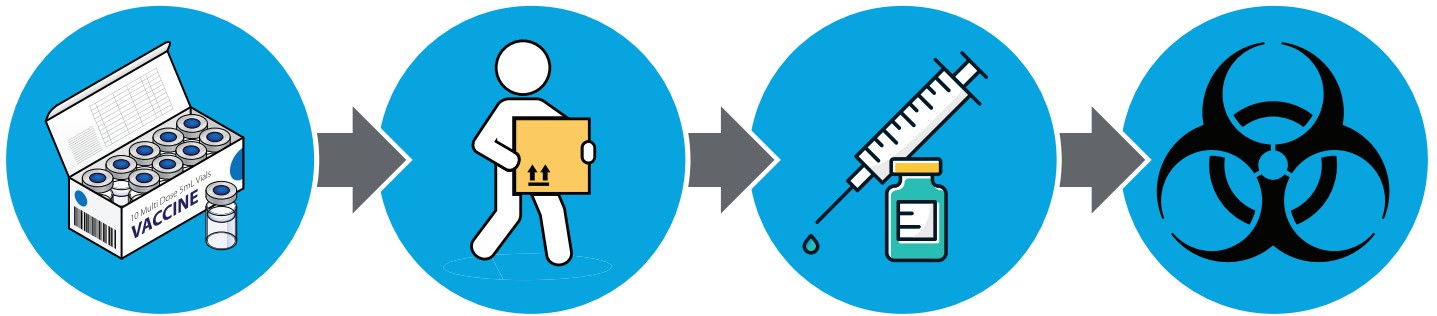


Solutions for Safer Handling of Drug Vials

Throughout the life cycle, there are health risks to the people who handle toxic drugs in vials. Accraply offers a range of solutions for safer handling of toxic drug vials by improving protection and containment of the vials.



From the workers packing and transporting the vials...to the health workers and care givers who administer the drugs and dispose of the vials.

What are the risks?

- Surface Contamination
- Broken Vials
- Shattered Glass
- Exposure to Toxic Contents



ACCRAPLY PREFORMS AND ACCRAPLY SAFEGUARD

Solution 1: ACCRAPLY PREFORMS

Preform sleeves, supplied fully formed and ready to be fitted to your vials - simply insert the vial and shrink to final position. Accraply provides the full system: pharmaceutical-grade preforms, shrink tunnel and conveyor.

For added protection, the preform sleeves can be supplied with plastic base caps fitted.

Low investment costs - **ACCRAPLY PREFORMS** are a perfect solution for small to medium-sized batch runs.

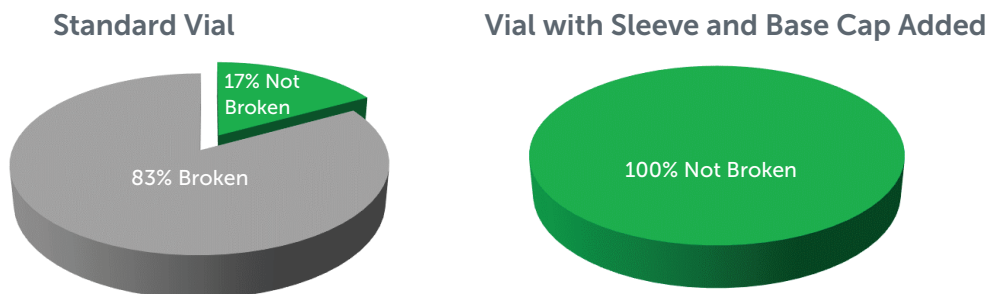
Solution 2: ACCRAPLY SAFEGUARD

A complete, automated and validatable vial protection solution for the pharmaceutical and biopharmaceutical industry.

The system - operating either inline or standalone - automatically applies a plastic cap to the base of the vial and a sleeve over the body of the vial, before passing through a shrink tunnel to fully encapsulate the vial.

ACCRAPLY SAFEGUARD is the perfect solution for larger batch runs, continuous production or more hazardous applications, operating at throughputs of up to 100 ppm.

The addition of **ACCRAPLY PREFORMS** or **ACCRAPLY SAFEGUARD** significantly increases the chance of glass vials surviving a drop, as demonstrated by the following Drop Test Results (from 1 meter height):



ACCRAPLY PREFORMS and SAFEGUARD

- Reduce Vial Breakage
- Reduce Exposure
- Improve Containment

Accraply | Trine | Stanford | Graham & Steevit | Harland

ACCRAPLY PREFORMS

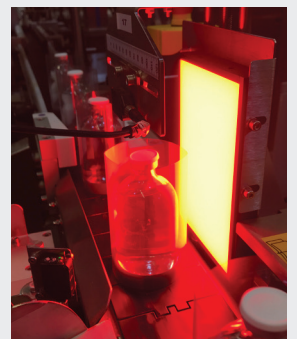


Preform sleeves

ACCRAPLY SAFEGUARD



Applying sleeve to bottle



Inspection Process

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