



## SmartSite® Safety Disposables

# Chemical compatibility and the SmartSite® needle-free valve

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Due to increased utilization of both caustic and highly concentrated infusible medications, Alaris® Products performed a series of compatibility tests on the SmartSite® needle-free valve's component materials. These tests were conducted employing ASTM (American Society for Testing and Materials) test methods using a variety of chemicals. These chemicals are commonly found in medications and decontamination agents used in the chemical environment.

The white female luer adapter portion of the valve was tested with all of the chemicals listed below. Because the clear body and blue piston materials are from the same family of materials presently used in most IV sets, testing was only necessary with the chemicals which are likely to have the most severe effect in the function of the valve.

The materials were tested using the maximum concentrations of these chemicals currently used in clinical applications. None of the testing resulted in adverse effects on the materials tested.

Prior to each access always swab the SmartSite® needle-free valve septum with 70% isopropyl alcohol (1-2 seconds) and allow to dry (approximately 30 seconds). For additional questions, please contact Customer Advocacy at (800) 854-7128 ext. 7812.

Amphotericin-B	Glycerin	Phenol
Ascorbic Acid	Glycine	Phenytoin
Benzyl Alcohol	Hydrochloric Acid	Polyethylene Glycol (PEG)
Betadine	Hydroxybenzoate	Polyvinylpyrrolidone
Chlorhexidine	Hyperalimentation	Propylene Glycol
Cremorphor El	Insulin	Propylparaben
D-Mannitol	Iodine	Sodium Bisulfite
Dextrose	Isopropanol (Isopropyl Alcohol)	Sorbitol
Ethanol	Lipids	Taxol
Etoposide (VP-16)	m-Cresol	Tween 80
Fluorouracil	MVI Concentrate	Vancomycin HCL
Gelatin	Methyl p-	

*(Please note that newly introduced drugs, drug concentrations should be evaluated on an individual basis for effects on the SmartSite® needle-free valve.)*  
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For more information, contact your Cardinal Health, Alaris® Products Sales Consultant at 1.800.854.7128 or visit our website at [www.cardinalhealth.com/alaris](http://www.cardinalhealth.com/alaris).

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