



Instructions for Use: BTS Test Soil

Brand Name of Product	Blood Test Soil (BTS)
Generic Name of Product	Blood Test Soil (BTS)
Product Code Number(s)	BTS-7ML, BTS-100ML, BTS-500ML, BTS-B-7ML, BTS-B-100ML
Purpose of Product	Blood proteins based standardized test soil.
Range of Applications for Product	For simulated use soiling of medical devices for the purpose of conducting cleaning validations.
Key specifications of product	Mixture of purified bovine proteins (hemoglobin, albumin). Bone can be added if requested.

Shipping & Storage	
Shipping Conditions & Requirements	
Storage Conditions	Store vials with dry test soil at room temperature.
Packaging Conditions	
Shelf Life	18 months: See imprint.

Instructions for Using Product	
Description of Use (s)	
Preparation for Use	
Diagrams (drawings, pictures):	
Steps for Use of Product	<ol style="list-style-type: none"> 1. Add 6 ML sterile water (room temperature) for a 7 ML size vial, 90 ML sterile water for 100 ML size vial, or 450 ML sterile water for 500 ML size vial, of the BTS component. Please note: Less water may be used to obtain a thicker soil, yet more time may be needed to dissolve the soil. (Sterile water not provided). 2. Add the provided solution A to the hydrated soil. 3. Dissolve the components by shaking it for 5 minutes. A laboratory vortex mixer may be used. Dissolve within 15 minutes of rehydrating. 4. Contaminate the medical device in a manner which reflects real-life soiling from use. <p>Note: In case of microbiological test, add the microbe-suspension after dissolving of the component. To avoid dilution of the test soil, subtract the amount of suspension from the solvent.</p>
Interpretation of Results	
Contraindications of Test Results	
Documentation	
Special Warnings and Cautions	<ul style="list-style-type: none"> • Hazard Information <ul style="list-style-type: none"> ○ May be harmful if ingested or inhaled ○ May cause skin irritation ○ May cause eye irritation ○ May be irritant to mucous membranes and upper respiratory tract • First Aid Measures <ul style="list-style-type: none"> ○ After inhalation: Fresh air ○ After skin contact: Wash off with plenty of water. Remove contaminated clothing. ○ After eye contact: Rinse with plenty of water with the eyelid held wide open. Call an Ophthalmologist.

	<ul style="list-style-type: none"> ○ After swallowing: Make victim drink plenty of water. Call a physician. • Accidental release measures <ul style="list-style-type: none"> ○ After spillage. Dilute spilled substance with plenty of water and absorb with absorbent material.
Disposal	Dispose of in accordance with regional and/or national regulations.

Reprocessing Instructions	
Point of use:	
Preparation for decontamination:	
Disassembly Instructions:	
Cleaning – Manual:	
Cleaning – Automated:	
Disinfection:	
Drying:	
Maintenance, inspection, and testing:	
Reassembly Instructions:	
Packaging:	
Sterilization:	
Storage:	
Additional Information:	

Related Healthmark Products	
Other Product Support Documents	
Reference Documents	ASTM F3208 – 18, Guide for Selecting Test Soils for Validation of Cleaning Methods for Reusable Medical Devices.
Customer Service contact:	Healthmark Industries Company, Inc 18600 Malyn Blvd. Fraser, MI 48026 1-586-774-7600 healthmark@hmark.com hmark.com

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