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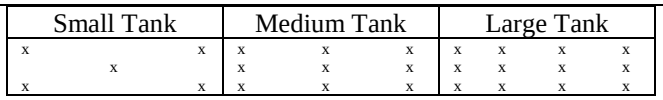
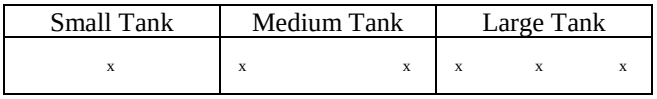
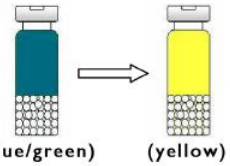
Instructions for Use: SonoCheck™

Brand Name of Product	Sonocheck™ Ultrasonic Function Test
Generic Name of Product	Dosimeter for cavitation energy in an ultrasonic bath.
Product Code Number(s)	TI-108
Purpose of Product	To provide a pass/fail detection of cavitation energy within an ultrasonic bath.
Range of Applications for Product	Table top ultrasonic, MIS instrument cleaners utilizing ultrasonic cleaning, automated instrument washers with an ultrasonic bath stage.
Key specifications of product	Color change from blue/green to yellow indicates cavitation energy is present.

Shipping & Storage	
Shipping Conditions & Requirements	Do not allow to freeze.
Storage Conditions	35ºF (2ºC) – 77ºF (25ºC). Do not allow to freeze.
Packaging Conditions	30 SonoCheck™ test vials per box
Shelf Life	12 months from date of manufacture. See package label for expiration date.

Instructions for Using Product	
Description of Use (s)	To test for the presence of cavitation energy inside of an ultrasonic bath. May be used for qualification testing after initial installation and after major repair, as well as for routine testing to insure proper performance.
Preparation for Use	1. Prepare a bath of cleaning solution (water and detergent) in compliance with instructions for use by the sonic manufacturer and the detergent manufacturer. 2. De-gas the bath in accordance with ultrasonic manufacturer's instructions. 3. Insure that the bath is within the proper temperature range as provided by the detergent manufacturer.
Diagrams (drawings, pictures):	 Figure 1 (Qualification Testing) Small tank= Up to 5 ltrs Medium tank=5 to 20 ltrs Large=Above 20 ltrs  Figure 2 (Routine Testing)  Figure 3 (color change)
Steps for Use of Product	**Routine Testing**: 1. Select the appropriate number of SonoCheck™ vials and as depicted in Figure 2 to choose the layout that matches the size of the equipment to be tested. 2. Place the SonoCheck™(s) as indicated in Figure 2 in an empty ultrasonic basket and place the basket in the ultrasonic cleaner that has been de-gassed. 3. Run the equipment as directed by the ultrasonic manufacturer and record the test results on the "Log Sheet" located on hmark.com. 4. All SonoCheck™(s) should change from blue/green to yellow (see Figure 3) within specified time. The time needed for the color change will indicate the level of energy and degree of cavitation provided by the ultrasonic cleaner. • A change slower than average will indicate a weak spot. • A negative result will indicate a blind spot of ultrasonic energy.

	5. In case of an unsatisfactory result, refer to the SonoCheck™ troubleshooting guide.
Interpretation of Results:	• Color change from blue/green to yellow indicates presence of cavitation energy. • Time for color change indicates the strength of cavitation energy. • Failure for color change to yellow indicates a failure to achieve sufficient cavitation energy to clean. • Ultrasonic energy is localized and failure to achieve color change may indicate one or more sonic transducers are failing.
Contraindications of Test Results:	In the presence of very powerful cavitation energy, color of SonoCheck™ liquid may go completely clear (no color). This can be interpreted as a passed test.
Documentation	• If conducting Routine Testing, use the *Log Sheet* to record your results. • Report any unsatisfactory results to the proper management for corrective action according to the policy of your facility.
Disposal	• SonoCheck™ should be disposed of in a biohazard container according to your facility guidelines regarding disposing biohazard. Not because of the chemicals, but it's being used in equipment used for decontamination, and that this is recommendation is an additional measure of safety.

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:	35ºF (2ºC) – 77ºF (25ºC). Do not allow to freeze.
Additional Information:	

Related Healthmark Product(s)	USTK-1L (weekly ultrasonic test kit), TWTL-1L (weekly tunnel washer test kit)
Other Product Support Documents	Proformance Product Brochure Proformance Price List Functionality Testing Log Sheet Routine Testing Log Sheet SonoCheck™ Trouble Shooting Guide SonoCheck™ Weekly Log Sheet PB-Automated Washer Tests PB-Ultrasonic Lumen Tests
Reference Documents	Validation of SonoCheck™ for the Monitoring of Ultrasonic Energy of Ultrasonic Cleaner, Martin Pfeifer
Customer service contact:	Healthmark Industries Company, Inc 33671 Doreka Fraser, MI 48026 1-586-774-7600 healthmark@hmark.com, www.hmark.com

2017-10-23 Ralph J Basile