

# Instruments



## Test Results

### 10 Minute Immersion

#### *Pseudomonas aeruginosa*

ATCC 15442 (10% soil/bioburden) **Biolennia**

#### *Salmonella enterica (choleraesuis)*

ATCC 10708 (10% soil/bioburden) **Biolennia**

#### *Staphylococcus aureus*

ATCC 6538 (10% soil) **Biolennia**

#### *Escherichia coli*

NCTC 10541 (10% soil) **Biolennia**

#### *Trichophyton mentagrophytes*

ATCC 9533 (10% soil) **Biolennia**

#### *Trichophyton menghini*

ATCC 12106 (10% soil) **Biolennia**

## Description

Ultrasonic  
Bath Cleaning  
& Presoak  
Concentrate  
for  
Instruments  
prior to  
Sterilization  
Citrus Scent

## Features

**Responsible  
to the  
Environment**

**Economical**

**Non-Corrosive  
Non-Staining**

**Staff  
Friendly**

**2x  
Concentrated**

**4 Enzyme  
Cleaner**

## Benefits

**BioSON** contains NO quats, phenols or aldehydes. **BioSON** does not contain recently noted hormone disrupting surfactants based on Nonyl-phenyl Ethoxylates. **BioSON** contains biodegradable surfactants and complies with all sewer regulations.

Effective for up to **5 days**.

Will not corrode metals, even when carbide, stainless or aluminum instruments are mixed.

Protects staff from ultrasonic bath generated aerosols of toxic chemicals. Gloves and Mask are not necessary when handling **BioSON** as it is kind to skin. Protects staff from Cross-Contamination when handling soiled instruments prior to sterilization.

1:40 Dilution liquid mixes instantly. Economical-easy storage.

Use as pre-soak to remove dried blood, saliva, body fluids and debris.

**Availability** 50 mL Single Use pouch (case of 20) • 5 L Bulk Bag-in-Box

## Protocol

One 50 mL pouch of **BioSON** should be added to 2.0 L of warm water in the Ultrasonic Bath (popular size-1.7 to 2 quart baths)

### Set timer for 10 minutes.

REPLACE **BioSON** when solution appears dirty with excess debris.

EFFECTIVE for up to 5 days.

Caution: Do not leave instruments in bath solutions overnight.

For larger cassette-type Ultrasonic Baths or Holding Drawers, use 5L Bag-in-Box Format. For example 500 mL of **BioSON** concentrate is sufficient for a 15 L (4 gallon) bath.

## Helpful Tips

**USE LEFTOVER SOLUTION** in drains or plaster sinks to reduce microbes and unpleasant odours.

**USE AS A CHAIRSIDE PRESOAK** for instruments to reduce **risk** prior to transporting to the sterilization area.

**BioSON REPLACES** other specific ultrasonic cleaners like tartar and stain remover.

PLACE JEWELLERY, HEARING AIDS, DENTURES or PROSTHETICS in separate glass beaker filled with **BioSON** to give double wave motion.

## Frequently Asked Questions

Why do I need a bacteriostatic solution for instruments that are later sterilized?

1. To reduce the infectious load in transit between the ultrasonic and sterilizer.
2. In the past, instruments usually left the ultrasonic more contaminated than when they entered. Remember that microbes multiply exponentially, doubling their numbers every 20 minutes.
3. When emptying the bath contaminated solution splashes into sink and counter. Studies have shown that up to 40 million colonies of bacteria per mL are present in same-day ultrasonic baths.
4. When placing instruments into bath, infected solution may splash in your face or uniform.
5. One reduces the quantity of pathogenic solution discharged into the sewers

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