

## BIO CLEANING SOLUTIONS

*Odorite All-in-One Enzyme Surgical Instrument Cleaner 100 x concentrate*

**South African Health Products Regulatory Authority Licence Number MBF G0034**

*Odorite All-in-One Enzyme Surgical Instrument Cleaner is a premium four (quad) enzyme cleaning product that eliminates organics found on surgical instruments.*

**Multi-enzyme detergent – pre-disinfection agent**



**Odorite All-in-One Enzyme Surgical Instrument Cleaner** is a pre-treatment cleaning agent for use in recovering all reusable, immersible (surgical/medical) instruments prior to disinfection.

The multi-enzyme action provides rapid results when used in soaking trays, ultrasonic baths or scope washing units.

**Safety:**

**Odorite All-in-One Enzyme Surgical Instrument Cleaner** is non-toxic, and all ingredients are biodegradable. As such, it is free from aldehydes, chlorine, or any known carcinogenic agents.

**DATA SHEET**

Benefits	Features
<ul style="list-style-type: none"> <li>Removes blood, fat, carbohydrates, starches and proteins from surgical instruments and scopes in as little as 5 minutes.</li> <li>The product is designed to clean under difficult conditions where instruments are heavily contaminated, functions in both soft and hard water conditions and is effective in cold water systems (minimum 10C – max40C).</li> <li>Reduces bacterial burden prior to disinfection and leaves instruments clean and bright.</li> <li>Leaves scopes and instruments free of any unpleasant odours.</li> </ul>	<ul style="list-style-type: none"> <li>Rapid cleaning</li> <li>Neutral pH</li> <li>Free rinsing</li> <li>All ingredients are biodegradable.</li> <li>Safe for all surgical instruments and scopes</li> <li>Concentrated</li> <li>Low foam detergent formula</li> <li>Easy to rinse.</li> <li>Ease of use</li> <li>Safe for operator</li> <li>Will not harm any metals, plastic, rubber, or insertion tubes.</li> <li>Economical</li> </ul>

## Product Characteristics

**Odorite All-in-One Enzyme Surgical Instrument Cleaner contains the following enzymes:**

- ✓ **Protease** – breaks down proteins (e.g., meat, excreted/secreted proteins) into amino acids. Protease Activity: 68000 APU/gm
- ✓ **Lipase** – breaks down fats/grease into fatty acids and glycerol. If not broken down, fats can go rancid and lead to off-odours and blocked drains/fat grease traps. Lipase Activity: 72000 BLU/gm
- ✓ **Amylase** – starch acts as a glue for dirt – amylases catalyse the break-down of starch into sugars which are then further used as a food source by the bacillus. Amylase Activity: 8000 BAU/gm
- ✓ **Cellulase** – breaks down cellulosic material. Cellulase Activity: 4000 ACU/gm
- ✓ **Plant Based anionic and ionic surfactants, rust inhibitor and natural preservatives.**

## Dilution guidelines:

1 Litre of concentrate makes 100 L of ready to use solution.

- Liquid Concentrate : 5 L & 25 L JCs
- Dilution Rate : 10 ml liquid concentrate per litre of water
- Scope washer unit : Set program at 10 ml concentrate per 1 litre water.
- Manual soaking : 10 ml concentrate to 1 litre of water
- Ultrasound bath : 10 ml concentrate to 1 litre of water

**IMPORTANT : DO NOT EXCEED DILUTION RATE**

## Directions for Use:

- Dissolve **Odorite All-in-One Enzyme Surgical Instrument Cleaner** in cold water to the recommended dilution rate (10 ml/litre)
- For manual and ultrasonic baths, completely immerse instruments into the solution for a minimum of 5 minutes.
- On removal, rinse instruments thoroughly in clean water.
- Discard prepared solution daily or earlier if solution is heavily soiled.
- Washing machine units for scopes should be programmed to discard cleaning solution to waste after each set period of cleaning procedure.
- A second and short final rinse using demineralised water is recommended with manual cleaning technique.

## Chemical composition:

- Non-ionic and anionic surfactants
- Detergent system
- Multi-enzymes
- Buffer
- Stabiliser, anti-corrosion agents.

## Notes:

- **Odorite All-in-One Enzyme Surgical Instrument Cleaner** contains anti-corrosion factors but contact corrosion should be avoided by separated stainless steel from non-stainless-steel instruments and treated separately.
- For professional use only.
- Liquid concentrates to be diluted prior to use.
- Irritating to the eyes.
- Avoid contact with skin and eyes.
- Wear suitable gloves according to standard procedure.
- Store in dry conditions.
- Unsuitable for use with aluminium.

## Supplementary advice:

- **Odorite All-in-One Enzyme Surgical Instrument Cleaner** is suitable for use with flexible and rigid scopes and designed for use with standard brushing procedure with manual cleaning techniques.
- Surgical instruments should ideally be pouched after cleaning and prior to autoclaving or after disinfection treatment.
- Scopes should be stored in pouches of suitable length and closure after disinfection procedure.
- Sponges and wipes should be used as supplementary cleaning devices.

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+27 11 708 6626    info@greenworx.eco    www.greenworx.eco