



# HOSPAL<sup>®</sup> -MI PLUS

Concentrated Multi Enzyme Cleaner for Surgical, Medical and Dental Instruments including flexible and rigid Endoscopes

## Why Hosal - MI Plus for cleaning Instruments?

All instruments in surgery are contaminated with organic matter that common detergents are unable to remove. Specific enzymes are required to digest different components to sterilize an instrument effectively. Inextricably intermingled, the four components of bio-burden are

- Blood
- Fat
- Carbohydrases
- Proteins

Even if one of the above components is left undigested, It can act as a blanket, preventing the other components beneath it from being digested. This can create a significant threat to patient and the professional handling them.

**Hosal - MI Plus** is therefore composed of:

- Proteases which breakdown proteins in organic body fluids like blood & urine
- Lipases which dissolve body fats & grease
- Amylases & Carbohydrases which breakdown starches & mucous polysaccharides

The above enzymes are formulated in a non ionic phosphate free detergent which acts synergistically with the above enzymes to break down the toughest debris & deposits on surgical instruments

## Salient Features:

- Maximum combination of enzymes available Highly concentrated formula
- Effective in both hot and cold water
- No high foam problem
- Neutral pH
- Biodegradable
- No residue left on clean surface



**DO NOT ALLOW BIOLOGICAL CONTAMINANTS TO DRY. IF CONTAMINANTS HAVE DRIED, SOAK FOR AT LEAST 20 MINUTES AT DILUTION OF 1:50**

Degree of Biological Contamination	Dilution Rate JEnzyme-MI Plus: Water	Max Recommended Soak Times (ideal water temp: 30-40°)
HEAVY	10 ml per Litre 1: 100	8 - 9 minutes
MODERATE	7.5 ml per Litre 1: 150	8 minutes
LIGHT	5 ml per Litre 1: 200	4 - 5 minutes
LIGHT (in ultrasonic bath)	5 ml per Litre 1: 200	2 minutes

## Mode of action of Hosal - MI Plus:

- Effective sterilization of surgical instruments requires effective cleaning. This will not only reduce the bio-burden, but also permit sterilization to 'inaccessible joints'
- **Hosal - MI Plus** is excellent for removal of proteinaceous soils, tissue, blood and body fluids from glassware, metals, plastic, ceramic, porcelain, rubber and fiberglass with no interfering residues
- **Hosal - MI Plus** is highly effective on dry blood, tissue mucous and other organic matter present even in hard to reach places like box joints & tubing
- **Hosal - MI Plus** greatly reduces the need for scrubbing & enhances the life of instruments.
- **Hosal - MI Plus** is strong enough to remove the toughest debris, yet good enough to be used every day

## Directions for use:

- **Hosal - MI Plus** can be diluted as per the chart given.
- After dilution, immerse instrument and leave to soak for 2 - 10 minutes.
- For heavier soiling and if a residue has been allowed to dry, apply longer soak times.
- Rinse instruments with water after removal prior to disinfection/sterilization. Discard solution after use.

## Caution:

- Avoid contact with skin and eyes. Not to be ingested.



ISO 13485 Medical Devices  
Certified QMS

