

INSTRUMENTS / MANUAL REPROCESSING

PLURAZYME®  
EXTRA



MULTI-ENZYMATIC CLEANER FOR REPROCESSING SURGICAL INSTRUMENTS AND ENDOSCOPES

1 / 8

**Reliable, powerful cleaning** as the basis for **reprocessing**

PLURAZYME EXTRA **reduces maintenance costs** thanks to excellent preservation of high-quality medical devices

**High compatibility** with other process chemicals and flexible application (e.g. ultrasonic bath) ensure **easy integration into work processes**

Low dosage, **biodegradable surfactants** and enzymes as natural cleaning boosters complement each other to create an **environmentally friendly** product concept



**Powerful  
in cleaning!**

INSTRUMENTS / MANUAL REPROCESSING

**PLURAZYME®  
EXTRA**



PRODUCT DESCRIPTION

2 / 8



**PLURAZYMEEXTRA** is a well-suited cleaning concentrate for the manual reprocessing of a variety of medical devices. The extensive material compatibility enables the cleaning of surgical instruments, rigid and also flexible endoscopes. The fragrance and high cleaning power ensure pleasant use, whether in an immersion bath or ultrasound bath. The active formula of 3 enzymes and non-ionic surfactants

penetrates and dissolves a wide range of organic contaminants from coagulated blood to mucus to fat – without fixing. The level of compatibility with other cleaners and disinfectants ensures that **PLURAZYME EXTRA** can be easily and flexibly integrated into your processes.

## INSTRUMENTS / MANUAL REPROCESSING

# PLURAZYME® EXTRA



## APPLICATIONS AND NOTES

3 / 8

### Range of application

PLURAZYME EXTRA is especially suited for manual cleaning without protein fixation of medical and surgical instruments, rigid and flexible endoscopes, as well as endoscopic accessories. Suitable for use in an ultrasonic bath and for pre-cleaning prior to automated processing of medical devices.

### Dosage

Depending on the degree of contamination: 0,4 - 2 % (4 ml/L - 20 ml/L) max. 40 °C minimum 5 min; Recommendation for ultrasonic baths: 0,25 % (2,5 ml/L) max. 40 °C minimum 5 min

### Application

Prepare PLURAZYME EXTRA working solution in the desired concentration with water (max. 40 °C). Prepare solution by diluting with suitable water in accordance with national guidelines.

Cleaning in an immersion bath: Place instruments and endoscopes – following prior preliminary cleaning, where necessary – in the working solution and ensure that all surfaces and cavities are fully wetted. If necessary, allow the air to fully escape from the lumen and clean the instruments mechanically, if necessary, e.g. brushing. Clean endoscope channels mechanically. After the end of the contact time, thoroughly rinse the instruments with water and reprocess them further. PLURAZYME EXTRA is suitable for use in an ultrasonic bath.

According to the EU Medical Device Regulation, users/patients are obligated to report any serious incident that has occurred in relation to the device to the manufacturer and the competent authority of the EU Member State in which the user/patient is established.

### Application notes

For cleaning in the ultrasonic bath: Do not exceed the sonication time as specified in the manufacturer's instructions or temperatures of 40°C. Can be used with waters of all hardness levels.

Change working solution if there is any visible contamination but at least once every working day. PLURAZYME EXTRA must not be mixed with other process chemicals.

### Composition

5 - 15 % non-ionic surfactants, preservative didecylmethyl poly(oxyethyl)ammonium propionate, Contains perfumes: Limonene. Enzymes.

### Material compatibility

The material compatibility of PLURAZYME EXTRA has been extensively tested and it is suitable for medical and surgical instruments. Its use is not recommended for the following materials: aluminum, copper and brass. Discoloration may occur with silicone.

### Precautionary and hazard statements

Causes serious eye damage. Harmful to aquatic life with long lasting effects. May produce an allergic reaction. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Dispose of contents/container to approved disposal company or local collection.

IR: For information or to report a poisoning incident contact The National Poisons Information Centre +353 (0) 1 809 2166 optional (8am-10pm 7 days a week).

For professional use only by personnel with corresponding specialist knowledge according to national directives.

### Read label before use.

INSTRUMENTS / MANUAL REPROCESSING

PLURAZYME®  
EXTRA



MATERIAL COMPATIBILITY

4 / 8



MATERIAL METALS	not recommended	limited recommended	recommended	APPLICATION PRODUCT EXAMPLE
stainless steel V2A			<ul style="list-style-type: none"> <li>• Rigid endoscopes</li> <li>• Needle holder</li> <li>• Clamps</li> <li>• Scissors</li> <li>• Scalpels</li> <li>• Forceps</li> <li>• Laryngoscope blades</li> <li>• Speculum</li> </ul>	
aluminum anodized			<ul style="list-style-type: none"> <li>• Sterilization container</li> </ul>	
copper	•			
aluminum	•			
brass	•			

INSTRUMENTS / MANUAL REPROCESSING

PLURAZYME®  
EXTRA



MATERIAL COMPATIBILITY

5 / 8



MATERIAL PLASTICS: ELASTOMERS				APPLICATION PRODUCT EXAMPLE
	not recommended	limited recommended	recommended	
PUR (polyurethane)			•	Long-term catheters
silicones			•	Respiratory masks
CR (neoprene)			•	Seals
EPDM (ethylene propylene diene (monomer) rubber)			•	Flexible endoscopes
NBR (nitrile butadiene rubber)			•	

INSTRUMENTS / MANUAL REPROCESSING

PLURAZYME®  
EXTRA



MATERIAL COMPATIBILITY

6 / 8



MATERIAL PLASTICS: THERMOPLASTICS	not recommended	limited recommended	recommended	APPLICATION PRODUCT EXAMPLE
PE-HD (polyethylene-high density)			•	Instrument trays
PA (polyamide)			•	Tubes
PP (polypropylene)			•	Test implants, caddies for surg. instruments
PMMA (polymethylmethacrylate)			•	Plexiglas
ABS (acrylonitril-butadiene-styrene)			•	Tracheal tubes
PC (polycarbonate e.g. Makrolon)			•	Hollow fiber dialyzer housings,
			•	Inhalers
			•	Cardiotomy reservoirs
PC/ABS (polycarbonate/acrylonitril-butadiene-styrene)			•	Ultrasound probes
PS (polystyrene)			•	
PSU (polysulfon)			•	Handles of endoscopy forceps
PVC (polyvinylchloride)			•	

## INSTRUMENTS / MANUAL REPROCESSING

# PLURAZYME® EXTRA



## PURCHASING INFORMATION

7 / 8

Product	Single unit	Delivery Unit	Content	REF
PLURAZYME® EXTRA	Dispenser bottle	1 L	12	00-138-010E
	Bottle	2 L	6	00-138-020E
	Container	5 L	3	00-138-050E

National information may differ. For further information, please contact our subsidiary or your local dealer.  
The availability of the products and container sizes depend on a completed national registration.



## CERTIFICATIONS



Dr. Schumacher is certified according to DIN EN 13485, DIN EN ISO 9001, DIN EN ISO 14001, BS OHSAS 18001,  
has a validated environment management system according to EMAS and is a member of IHO, VCI, BAH, DGSV and of the DGKH.



INSTRUMENTS / MANUAL REPROCESSING

**PLURAZYME®  
EXTRA**



CONTAINER SIZES AT A GLANCE

8 / 8



**1 L Bottle**



**1 L Dosage Bottle**



**2 L Bottle**



**5 L Container**



**RECOMMENDED PRODUCTS FOR FURTHER PREPARATION AND CARE:**



**ORANGE  
SOLVENT**



**DESCOTON  
EXTRA**



**THERMOSHIELD  
FLEX**



**THERMOSHIELD  
DESINFECTANT**



**SPEZIAL  
ÖLSPRAY**



**PERFEKTAN  
ACTIVE**