



GETINGE Clean Manual Plus Multi Enzymatic Detergent Instruction Manual

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Getinge Clean Manual Plus
Product Specification



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Clean Manual Plus Multi Enzymatic Detergent

A multi-enzymatic detergent with powerful cleaning and sanitising action. For manual and ultrasonic cleaning of medical instruments. Specially formulated to digest proteins and other ingredients of medical soils.

Improves occupational health and safety and helps to reduce cross-contamination by sanitising baths and surrounds. Non-corrosive, pH neutral, fully biodegradable.

Instructions for use

Do not use in automatic washers

Check materials compatibility before use

Manual process: Dose 2-20 ml of Manual Plus per litre of warm water (25-45°C).

- Stir well.
- Submerge instruments for 2-10 min.
- Brush if necessary.

Ultrasonic process: Dose 2-20 ml of Manual Plus per litre of warm water (45-60°C).

- Run ultrasonic bath for 2-10 min.
- Thoroughly rinse instruments prior to disinfection.
- Discard solution at least daily or after every 7-10 cycles.

Ingredients	Protease, lipase, amylase and cellulase enzymes, surfactants, sequestering agents and corrosion inhibitors
Technical data	Specific gravity (20°C): 1.10 pH as supplied (typical): 7.6-8.5 pH in 5ml/litre (typical): 8.0-8.5 Viscosity (concentrate, 25°C): <10 cSt
Storage information	Store in a cool, dry place protected from frost, heat and direct sunlight away from acids and strong oxidizing agents. Store upright in original containers. Keep container closed when not in use. Optimum storage temperature 20°C.
Safety and handling	Wear correct PPE. Do not mix with other chemicals. Do not create or breathe aerosols. Always cover ultrasonic baths. Always keep sharp instrument points inside instrument baskets to minimise risk of injuries. Refer to Material Safety Data Sheet.
CE Mark	Geringe Clean Manual Plus conforms to the European directive 93/42/EEC, Annex 1 concerning medical devices.
Environmental awareness	Fully biodegradable formulation and recyclable packaging.
Service	For technical support in regards to appropriate detergent dosing and optimization of your cleaning processes, please refer to wall chart or contact your local Geringe representative.

GETINGE MANUAL & AUTOMATED DETERGENT RANGE		Aluminium	Anodised aluminium	Titanium	Non ferrous metals	Matt chrome plated	Stainless steel	Glass	Ceramic	Rubber	Plastic
■	GETINGE CLEAN HEAVY SOIL DETERGENT			M		•	•	•	•	•	M
■	GETINGE CLEAN UNIVERSAL DETERGENT	M	M	M	M	•	•	•	•	•	M
■	GETINGE CLEAN ENZYMATIC DETERGENT	•	•	•	•	•	•	•	•	•	M
■	GETINGE CLEAN MIS DETERGENT	•	•	•	•	•	•	•	•	•	•
■	GETINGE CLEAN PRION DETERGENT	•	•	•	•	•	•	•	•	•	•
■	GETINGE CLEAN MANUAL PLUS	•	•	•	•	•	•	•	•	•	•
■	GETINGE CLEAN NEUTRALISER	M	M	•	•	•	•	•	•	M	M
■	GETINGE CLEAN NEUTRALISER PLUS			M	M	M	•	•	M	M	M
■	GETINGE CLEAN RINSE AID	•	•	•	•	•	•	•	•	M	M
■	GETINGE CLEAN INSTRUMENT LUBRICANT	•	•	•	•	•	•				
■	GETINGE CLEAN INSTRUMENT LUBRICANT PLUS	•	•	•	•	•	•				
■	GETINGE CLEAN PRE TREATMENT FOAM	•	•	•	•	•	•	•	•	•	•

The chart is only a guide:

Information on the reprocessing of medical devices from the manufacturer according to EN ISO 17664 must always be followed.

M in the diagram means: Always refer to instrument manufacturer's guidelines.

Ordering number	6001821001 Carton 2 x 5L including two pumps
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Cleaning with Geringe Clean Manual Plus

Product information

- Stabilised multi-enzyme formulation with powerful cleaning and sanitising action
- Actively sanitises cleaning bath and maintains hygienic conditions up to 8 hours
- Rapidly digests proteins, lipids, carbohydrates and biofilms
- Non-corrosive, neutral pH, effective in hard and soft water
- Fully biodegradable



Instructions for use

1. Remove gross contamination from instruments.
2. Measure the volume of the bath.
3. Fill the bath with warm to hot water. 25-45°C preferred for manual cleaning and 45-60°C for ultrasonic baths.
4. From the tables below determine the concentration of Geringe Clean Manual Plus required for the cleaning conditions applicable and add the required volume of the detergent to the prefilled bath.

Manual cleaning



Soiling level	Water quality	Dos age	Soak time at 45 C	Soak time at 25 C
Low	Good	2 mL/L	3 min	5 min
	Poor	5 mL/L	4 min	7 min
Moderate	Good	5 mL/L	5 min	8 min
	Poor	10 mL/L	7 min	10 min
High	Good	10 mL/L	7 min	12 min
	Poor	20 mL/L	10 min	20 min

Ultrasonic bath cleaning



Soiling level	Water quality	Dos age	C ontact time at 50 C	C ontact time at 25 C
Low	Good	2 mL/L	1 min	2 min
	Poor	6 mL/L	1.5 min	3 min
Moderate	Good	6 mL/L	1 min	2 min
	Poor	12 mL/L	2 min	4 min
High	Good	15 mL/L	3 min	5 min
	Poor	20 mL/L	4 min	6 min

- Thoroughly rinse instruments prior to disinfection.
- Discard solution at least daily or after every 7-10 cycles.
- Do not reuse bath when cleaning endoscopes or when soiling or gross contamination are visible.
- Wear correct PPE and follow applicable guidelines. Additional information on SDS.
- Do not create or breathe aerosols. Always cover ultrasonic baths.
- Check materials compatibility before use. Do not mix with other chemicals.
- Always keep sharp instrument points inside instrument baskets to minimise risk of injuries.

Validate your cleaning cycle with Getinge Assured Wash Monitors.



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Getinge Infection Control AB
P O Box 69, SE-305 05 Getinge, Sweden
Phone: +46 10 335 00 00

info@getinge.com

www.getinge.com


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Getinge Group is a leading global provider of products and systems that contribute to quality enhancement and cost efficiency within healthcare and life sciences. We operate under the three brands of ArjoHuntleigh, Getinge and Maquet. ArjoHuntleigh focuses on patient mobility and wound management solutions. Getinge provides solutions for infection control within healthcare and contamination prevention within life sciences. Maquet specializes in solutions, therapies and products for surgical interventions, interventional cardiology and intensive care.

Getinge CVI Manual Plus Product sheet v4

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Documents / Resources

	<p>GETINGE Clean Manual Plus Multi Enzymatic Detergent [pdf] Instruction Manual Clean Manual Plus Multi Enzymatic Detergent, Clean Manual Plus, Multi Enzymatic Detergent, Enzymatic Detergent</p>
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References

- ✳ [Welcome to Getinge - Getinge](#)
- [User Manual](#)

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