



Enzymatic Detergents Validated for Use with PINNACLE Monitor for Manual Baths

Detergent Manufacturer	Detergent Evaluated	Manufacturer Recommended Temperature Range ¹	Manufacturer Recommended Use Dilution ¹
ASP®	Enzol®	"Warm Water"	1 – 2 oz/gal
Borer	Deconex® PowerZyme	35°– 40°C	1/2 – 1 oz/gal
Certol®	Pro EZ AW Quad™	32°– 43°C	1/2 oz/gal
Certol®	ProEZ 1™	32°– 40°C	1 – 2 oz/gal
Certol®	ProEZ 2™	32°– 40°C	1/2 – 1 oz/gal
Crosstex® ⁶	CrossZyme®	Not stated on label	20:1 to 10:1 ⁶
Cetylite®	Cetyl-zyme Pro-Am®	Room temperature (warm water will optimize enzyme performance)	1 - 2 oz/gal
Enzyme Solutions® ²	Medical Enzyme Detergent	Tap water >27°C	1 oz/gal ²
Getinge ³	Renuzyme Ultra	18 – 60 ° C	1/4 – 1/2 oz/gal ³
Germiphene®	Gzyme3	Not stated on label	10ml/4L
International Products Corporation	Zymit® Low-foam Enzyme Cleaner	-----	1 – 2 %
International Products Corporation	Zymit® Pro Enzyme Cleaner	Less than 52°C	1 – 2 %
Medisafe®	3E-Zyme	35°– 40°C	1/2 – 1 oz/gal
Medline	Dual Enzymatic Detergent	"Warm Water"	1 – 2 oz/gal
Metrex™	Empower®	20°– 40°C	1 oz/gal
Metrex™	Metrizyme®	20°– 40°C	1 oz/gal
Packers Chemical	EZ-360	35°– 60°C	0.7 – 2.5 oz/gal
Pro-Line Solutions ⁴	Ecozyme™ Auto	"warm water"	1/8 – 1/2 oz/gal ⁴
Pro-Line Solutions ⁵	Ecozyme™ Ultra	"warm water"	1/4- 1 oz/gal ⁵
Ruhof	Endozime®	"warm water"	1 oz/gal
Ruhof	Endozime® AW Triple Plus w/APA	"works at all temperatures"	1/2 oz/gal
Ruhof	Endozime® AW Plus	-----	1/2 oz/gal
Ruhof	Endozime® Xtreme Power	"works at all temperatures"	1/8 oz/gal
Steris® Corporation	Prolystica®	Do Not Exceed 55°C	1/8 – 1/2 oz/gal
Steris® Corporation	Valsure® Enzymatic Detergent	Do Not Exceed 60°C	1 oz/gal
Surgiclean®	SurgiSoak®	Less than 65°C	1 oz/gal

Please see specific detergents notes on the reverse side.

Detergent Testing Notes

- ¹Use specific: See Manufacturers Instruction for additional information on temperature range and dosage. AAMI ST79 recommended range: 27 – 44°C.
- ²This detergent was validated for use with the Pinnacle Monitor for Manual Cleaning Process using 1 ounce detergent per gallon of tap water with a temperature greater than 27°C.
- ³This detergent was validated for use with the Pinnacle Monitor for Manual Cleaning Process using 1/4 ounce detergent per gallon with a temperature of 40 °C and 1/2 ounce per gallon at 27 °C – 44°C.
- ⁴This detergent was validated for use with the Pinnacle Monitor for Manual Cleaning Process using 1/2 ounce detergent per gallon with a temperature of 27 °C and 0.3 – 1/2 ounce per gallon at 44°C.
- ⁵This detergent was validated for use with the Pinnacle Monitor for Manual Cleaning Process using 1/2 - 1 ounce detergent per gallon with a temperature of 27 °C and 0.3 – 1 ounce per gallon at 44°C.
- ⁶This detergent was validated for use with the Pinnacle Monitor for Manual Cleaning Process using 10:1 and 20:1 with temperatures of 44°C and 10:1 at 27 °C

Some detergent manufacturers may use different brand names for products sold outside of the US. Please check with your detergent sales representative for all brand names questions.

This validated detergent list is updated as new detergents are tested; please contact Serim Research for questions about detergents not included on this list.

Serim's PINNACLE MEC is used to test for active enzymes in manual cleaning solutions. Please review both detergent and instrument IFU's for recommended cleaning instructions.

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