



Spec Clean™ Dual Enzymatic Instrument Detergent

WHAT IS SPEC CLEAN DUAL ENZYMATIC DETERGENT?

Spec Clean Dual is a neutral pH, low-foaming true dual enzymatic detergent for cleaning medical and dental instruments. This economical formula delivers a team of cleaning agents to dissolve surgical soils quickly while protecting delicate instruments.

What are the recommendations for using Spec Clean Dual?

- Use as a presoak and holding solution to keep soils from drying on instruments.
- Use for manual cleaning of all types of immersible surgical instruments.
- Use for manual flush, soak and cleaning of rigid and flexible endoscopes.
- Use in the cleaning cycle of automated endoscope reprocessors. Always refer to the manufacturer's recommendations.
- Use in ultrasonic instrument cleaning equipment.

Why is Spec Clean Dual more effective than non-enzymatic detergents?

Detergents work by reducing surface tension, allowing water and friction to remove soils. Detergents without enzymes must have direct friction with scrubbing. This requires more effort to remove soil.

With enzymes, Spec Clean Dual works during soaking with "chemical scissors", cutting long chains of blood proteins and other soils. It is a valuable tool for cleaning small rough surfaces or tubing by boosting PASSIVE cleaning action in hidden areas where blood can stick and hide. This reduces scrubbing and improves safety. Spec Clean Dual enzymatic detergent also works fast at room temperature. It may be used from 60°F – 90°F (16°C – 32°C) with increased activity at 90°F – 120°F (32°C – 49°C). To avoid fixating soils, do not immerse items visibly soiled with blood in cleaning solutions over 120°F (49°C).

What is the value of soil specific enzymes in Spec Clean Dual?

The dual enzymatic formula has a high concentration of soil specific enzymes including protease to dissolve proteins and blood and amylase enzymes to dissolve sticky starch and gastrointestinal soils. This combination works faster to break up soils than detergent alone and with less scrubbing effort.

How does the team of cleaning agents in Spec Clean Dual work to provide more effective cleaning?

The protease and amylase enzymes are kept inactive for maximum shelf life by a unique preservative system. When "awakened" by dilution they are released for action. Chelating agents improve cleaning action in hard water while penetrating agents deliver enzymes into sticky soils. Rinsing agents release dissolved soils quickly from instrument surfaces. This full chemical team provides effective cleaning action at a gentle neutral pH, while anti-corrosive agents protect vulnerable metal surfaces.

What is shelf life and use life when using detergents?

Shelf life is the span of time the concentrated product may be held in storage. Spec Clean Dual has a special preservative system that maintains effective enzyme action longer during storage. The expiration date is stamped on every container. Unlike high-level disinfectants, the expiration date for detergents does not change when the bottle of concentrated product is opened.

Use life is the time Spec Clean Dual may be used after dilution. Use life depends on soil load and type of application. Diluted Spec Clean Dual cleaning solution should be discarded after each load or group of items in sinks and soak pans. For cleaning endoscopes, prepared diluted Spec Clean Dual should be used once per scope then discarded. Cleaning solution in ultrasonics may be changed after each load if heavy soils, or when the solution becomes cloudy or at least once per 8 hour shift. Monitor the expiration date stamped on every container of Spec Clean Dual, rotate stock and discard if expired.

What is the recommendation for PPE (Personal Protective Equipment) during instrument decontamination?

Protection is needed from chemical and biological hazards when cleaning contaminated instruments. Use processes to reduce aerosols by manually scrubbing items under the water line, keeping lids on pans and ultrasonic tanks, and avoiding high pressure sprayers during rinsing. Enzymes work by breaking down organic soils, therefore they are potential irritants to eyes, skin and if inhaled. At a minimum workers should wear protective eyewear and water resistant non-latex gloves. (Because latex is protein, latex gloves are not

recommended during manual cleaning of instruments.) In addition, a mask will reduce exposure to aerosolized infectious material and enzyme detergent. Use of a protective gown will prevent splashed soils and detergent from being transmitted on clothing that may be worn out of the facility.

What is the ideal dilution when using Spec Clean Dual?

Soil load on instruments, water quality and type of cleaning process are key factors. It is effective starting at a dilution ratio as low as 1/2 ounce per gallon of water for light to moderate blood soils. Use 1 to 2 ounces per gallon of water for manual cleaning and for endoscope flush and cleaning. Untreated or "hard" water consumes some of the chemical action of detergents and will require a higher concentration of detergent for effective results.

When using Spec Clean Dual for manual cleaning, presoak or holding solution, how often should it be discarded?

It should be discarded after each use.

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