



Spec Clean™ Single Enzymatic Instrument Detergent

WHAT IS SPEC CLEAN SINGLE ENZYMATIC INSTRUMENT DETERGENT?

Spec Clean is a neutral pH single enzymatic detergent (protease). It is an excellent economical general-purpose instrument cleaning detergent and is particularly useful for instrumentation soiled with blood or other body soils.

What are the recommended applications for Spec Clean Single Enzymatic Instrument Detergent?

Spec Clean is a low to moderate foaming enzymatic detergent with multiple applications for pre-soak or manual cleaning in pans and sinks. It is ideal in ultrasonic cleaning equipment because soak time allows maximum action from enzymes. Spec Clean enzymatic detergent is also indicated for cleaning endoscopes. The formula is gentle and neutral pH for broad compatibility with delicate equipment while the enzyme action helps break up hidden soils inside channels and crevices.

Why is Spec Clean Single Enzymatic Instrument Detergent 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 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 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 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 has a special preservative system that maintains effective enzyme action longer during storage. The expiration date is stamped on every container. Monitor the expiration date on all cleaning chemicals. 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 may be used after dilution. Use life depends on soil load and type of application. Diluted Spec Clean cleaning solution should be discarded after each load or group of items in sinks and soak pans. For cleaning endoscopes, prepared diluted Spec Clean 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. If diluted enzymatic cleaning solution looks cloudy or smells bad, check the temperature of the bath and when the solution was last changed. Over-use or extended high temperatures over 120°F (49°C) will break down organic enzymes and cause a musty “wet dog” smell.

How do cleaning conditions affect dosing of detergents?

Amount of soil load, type of soils, cleaning process and water quality will all affect dosing. It is recommended to start at 1 oz./gallon of water. Dosing may need to be increased for heavy, dried-on, fatty / oily soils or when using tap water over 200 ppm hardness. Manual cleaning without the aid of impingement (spray pressure) may also require increased dosing.

What is the recommendation for PPE (Personal Protective Equipment) during instrument decontamination procedures and specifically for Spec Clean enzymatic detergent?

Protection is needed for both chemical and biological hazards when cleaning contaminated instruments. Use procedures to reduce aerosols by manually scrubbing items under water line and keeping lids on ultrasonic cleaning devices. Avoid high pressure sprayers for rinsing.

Enzymes work by breaking down proteins and other organic soils, therefore they are potential irritants to eyes and skin. Breathing and lungs may also be affected if detergents are excessively aerosolized. It is recommended to use protective eyewear, a fluid resistant mask and fluid resistant apron or gown. Latex is protein so non-latex gloves are recommended during manual cleaning procedures.

