



Spec Clean™ Ultrasonic Cleaner Solution

WHAT IS SPEC CLEAN ULTRASONIC CLEANER SOLUTION?

Spec Clean is a detergent-based cleaner that meets the demand for non-enzymatic, more environmentally friendly products for use in ultrasonic instrument cleaning devices.

Is Spec Clean safe for cleaning anodized aluminum instrument cassettes?

Yes, Spec Clean is an excellent cleaner for cassette-based instrument management systems.

How does Spec Clean enhance the cleaning action of ultrasonic devices?

First, it is non-foaming. Foaming detergents will interfere with the energy transmission that is essential for effective ultrasonic cleaning action. Spec Clean also contains penetrating agents to increase the cleaning action in crevices and hinges of small instruments.

We are having trouble with corrosion of instruments during the cleaning process. Will Spec Clean reduce the incidence of corrosion?

Spec Clean contains special anti-corrosive agents. In laboratory tests on corrosion - prone dental burs, curets and instrument box locks with high carbon steel, Spec Clean protected against corrosion even after prolonged cleaning cycles. Please note: even plain tap water and de-ionized water are highly corrosive so it is not recommended to subject delicate instruments to prolonged soaking or cleaning cycles (over two hours or overnight).

What is the recommendation for using and changing the cleaning solution in ultrasonic instrument equipment?

For most effective ultrasonic cleaning action, ensure that the tank is not over-filled with instruments and that the detergent solution completely covers all items. The common use of "pony tail holders" or other type of elastics to hold instruments together is convenient but will inhibit cleaning action.

The frequency for changing cleaning solutions is generally based on several factors: amount and type of soils on the instruments; type of instrument and procedure; and protocols based on staffing at the facility or clinic.

- A) Cleaning solutions should always at a minimum be drained and changed daily. The tank should be rinsed, cleaned and wiped out when solutions are changed.
- B) For heavier soils including blood and inorganic lab materials, change the cleaning solution for each load of items.
- C) Change the cleaning solution if it becomes cloudy or is odorous.
- D) For larger facilities it is recommended to change the cleaning solution at the beginning of each shift change.

Sometimes we see an accumulation of residue on our ultrasonic tank or on the instruments. How can we avoid this?

Follow cleaning and maintenance instructions for your ultrasonic device. Do not mix other chemicals with Spec Clean. Change solutions at least daily. Clean and rinse out the tank after draining used solution. Avoid continuous operation of the ultrasonic instrument cleaning device as this may overheat the cleaning solution. Solution temperature should not exceed 140°F (60°C).

How do we know our ultrasonic cleaning device is working properly?

In addition to the use of a top quality cleaning agent such as Spec Clean, it is recommended to routinely test the energy output of the transducers in the ultrasonic device. Effective energy output is essential along with good detergent action to produce desired cleaning results.

Testing may be done two ways:

- A) Use a commercially available test strip or device that demonstrates cleaning on an objective test piece.
- B) Use a piece of aluminum foil suspended cross-wise in tank full of solution. Run cleaning cycle and observe foil after a few minutes. There should be an even pattern of tiny dents all over the foil. Smooth spots indicate failure of transducer action.

For more information on how to test your ultrasonic cleaning device please call MicroCare Medical Support at 1-800-843-3343.

Can Spec Clean be used on delicate dental and eye instruments?

Yes, the formula is designed for effective cleaning without the extreme alkalinity and harsh cleaning agents found in some other instrument detergents. As with all cleaning processes, it is recommended to rinse instruments thoroughly after cleaning to remove all traces of detergent residue, and in the case of eye instruments, DI or sterile water may be recommended.

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