



Cleaning and Sterilization Instructions for Munce Discovery Burs®

Scope	These instructions apply to Munce Discovery Burs® (“Munce Burs”), and they are applicable before initial use and after each subsequent use. Munce Burs are provided mechanically clean, but are not sterile. Therefore, Munce Burs should be sterilized before first use. Munce Burs consist of a stainless steel shank and a carbide or diamond head. Therefore cleaning and sterilization processes must be compatible with stainless steel, carbide and diamond.
Warnings	<ol style="list-style-type: none"> 1. Cleaning agents with chlorine or chloride as the active ingredient are corrosive to stainless steel and must not be used. Cleaning agents with neutral pH are recommended. 2. Do not use Cold Sterilizing Methods for the sterilization of Munce Burs. These agents often contain strong oxidizing chemicals that may dull or weaken Munce Burs.
Reprocessing Limitations	The end of life is determined by wear and damage in use. Munce Burs should be inspected for defects (i.e. broken tips, broken sections on flutes, etc.) during the cleaning process.
Point of Use	Delay in reprocessing must be kept to a minimum to avoid contaminants drying thereby making cleaning more difficult.
Containment/ Transportation	Munce Burs can be transported wet or dry and should be protected from damage. If transported wet there is an increased chance of staining or corrosion. Prolonged storage in disinfectant solutions may result in degradation of the product and must be avoided.
Manual Cleaning Procedure	<p>If hand cleaning is the only available option, Munce Burs should be cleaned in a sink reserved for cleaning instruments.</p> <p>Rinse the Munce Bur (and dedicated instrument block, if applicable) under cool running water for at least one (1) minute.</p> <p>Prepare a fresh bath of neutral-pH cleaning solution. Follow the agent’s manufacturer’s instructions. Immerse the Munce Bur (and instrument block) and soak for at least ten (10) minutes.</p> <p>After soaking, and keeping it immersed, brush thoroughly away from the body using the neutral cleaning agent for at least one (1) minute. Care should be taken to avoid spreading contaminants by spraying or splashing during the brushing process. Use wire brushes with caution as brass particles may result in galvanic corrosion and steel particles may cause discoloration of stainless steel.</p> <p>Special care should be taken to clean crevices and other hard-to-reach areas thoroughly. Visually inspect to confirm the removal of debris. Repeat the cycle if needed.</p> <p>Thoroughly rinse the Munce Bur (and instrument block) under running warm water for at least one (1) minute and until visibly clean.</p> <p>Dry the device using a non-shedding wipe or clean compressed air.</p>
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Ultrasonic Cleaning Procedure

Prepare a fresh pH-neutral cleaning solution; place the Munce Bur in the dedicated instrument block (if applicable) and then place in a sonication unit. Follow the agent manufacturers' instructions for correct concentration, exposure time, temperature, and water quality. Completely submerge the device in the cleaning solution and sonicate for at least fifteen (15) minutes.

Perform a final thorough rinse of the device and instrument block (if applicable) under running warm tap water for at least (1) minute.

Visually inspect to confirm the removal of debris. Repeat the cycle if needed.

Dry the device using a non-shedding wipe or clean compressed air.

Inspection Testing

1. Carefully inspect each device to ensure that all debris has been removed.
2. Visually inspect the device for damage/ wear that would prevent proper operation.
 - a. Do not use if the tip is broken or shaft is bent.
 - b. Do not use if there is a broken section of a flute.
 - c. Do not use if there is evidence of corrosion.

Packaging

Pack the Munce Bur in pouches validated for sterilization. Do not overload pouches.

Sterilization

Follow all manufacturer directions for the use of the sterilizer machine. Use the following cycle for steam sterilization. In order to avoid stains and corrosion, the steam must be substance-free.

Cycle Type	Minimum Sterilization Exposure Time (minutes)	Minimum Sterilization Exposure Temperature	Minimum Dry Time (minutes)
Gravity	10	135°C (275°F)	30
Pre-vacuum (4 Pulses)	3	134°C (273°F)	30

Ensure that the sterilizer manufacturer's maximum load is not exceeded.

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