

Germinator 500

PROCEDURE:

1. Turn the power switch on and wait for the “READY” light to illuminate. This should take 30 minutes. The germinator will be at 450°F (232°C).

{ **WARNING:** DO NOT touch the glass beads. They are extremely hot! }

2. Clean and dry the instruments thoroughly to avoid baking and adhesion of contaminants to the instrument.
3. Gently insert the instrument at least one inch into the glass beads. Do not force the instrument to the bottom of the glass beads. Only the surface touching the beads is decontaminated.
4. Smaller instruments should be allowed to stand for at least 15 seconds, while larger instruments should stand for at least 1 minute.
5. If more than one instrument is inserted into the glass beads, double the decontamination time based on the instrument size. Do not insert more than two normal size micro-dissecting instruments to prevent overloading.

{ **NOTE:** Do not overheat for a long period of time to avoid degradation of metal. }

6. Stir the glass beads periodically with a metal spatula or other metal instrument to avoid growth of heat resistant microorganism.
7. Remove instrument from the device and tap it lightly on the side of the glass bead well to remove any beads that may stick to the instrument. (*Use a small probe to remove excess beads if tapping does not work.*) Place the instrument on a clean stainless steel tray and allow it to cool before use.

{ **NOTE:** Use a heat resistant device to remove the instrument if left in the unit for a long time. }

8. Leave the Germinator 500 “ON” for the duration of its anticipated use to keep the temperature of the beads constant. If the device is turned off for more than 30 minutes, and the “Ready” sign comes on when the unit is turned back on, wait 15 minutes for the unit to reach its proper operating temperature.
9. When finished with the unit for the day, turn the power switch off.

WARNING: DO NOT USE HOLLOW METAL INSTRUMENTS IN THE GERMINATOR 500. HOLLOW METAL INSTRUMENTS MAY EXPLODE OVER 300°F AND SPRAY HOT GLASS BEADS EVERYWHERE. CHECK THE INSTRUMENT MANUFACTURER’S WARNING BEFORE USE.

Germinator 500

1. Turn the power switch on. Wait for the “READY” light to illuminate (≈30 min).
2. Clean and dry instruments thoroughly before insertion.
3. Gently insert the instrument at least one inch into the glass beads.
4. Smaller instruments should be allowed to stand for at least 15 seconds, while larger instruments should stand for at least 1 minute.
5. Double the time (based on the size) if more than one instrument is inserted.
6. Stir the glass beads periodically with a metal spatula or other metal instrument.
7. Remove instrument from the device and tap it lightly on the side of the glass bead well to remove any beads that may stick to the instrument. (*Use a small probe to remove excess beads if tapping does not work.*)
8. Place the instrument on a clean stainless steel tray and allow it to cool before use.
9. Leave the Germinator 500 “ON” for the duration of its anticipated use.
10. When finished with the unit for the day, turn the power switch off.

Warnings and Notes

1. Do not touch the glass beads. They are extremely hot!
2. Do not force the instrument to the bottom of the glass beads.
3. **Do not insert more than two** normal size micro-dissecting instruments to prevent overloading.
4. Do not overheat for a long period of time to avoid degradation of metal.
5. Use a heat resistant device to remove the instrument if left in the unit for a long time.
6. If the device is turned off for more than 30 minutes, and the “Ready” sign comes on when the unit is turned back on, wait 15 minutes for the unit to reach its proper operating temperature.
7. **Do not use hollow metal instruments** in the Germinator 500. Hollow metal instruments may explode over 300°F and spray hot glass beads everywhere. Check the instrument manufacturer’s warning before use.

Germinator 500: The Germ Terminator

[Replacement beads](#): #5-1455 1.5 mm lead-free glass beads, 12.5 oz

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