

# BioSonic® UC150 Ultrasonic Cleaner Performance test

Prepare a fresh tank of cleaning solution according to manufacturer's directions. Run the unit for 5-15 min to degas the solution. The degassing will eliminate any air found in fresh solution. Turn unit off.

Use either of the below mentioned tests to check the performance of the device:

## 1. Aluminium Foil Test

1. The performance of the ultrasonic cleaner should be tested using three strips of regular weight (household) aluminum foil.
2. Using three rods, suspend 3 pieces of foil (household, 0.025 mm thick) in the solution, making sure the edge of the foil is approximately 6 mm (¼") from the bottom and sides of the tank. **(Figure A)**  
**NOTE: Aluminium foil should not come in contact with bottom or sides of the tank.**
3. Turn unit on and run the unit for at least 10 sec. **(Figure B)** Lift the foil out of the solution. An ultrasonic cleaner that is working properly will leave a pitted/wrinkled pattern. Holes should be observed in 1 or more of the aluminium foil pieces. **(Figure C)**
4. Date the foil and keep as a reference for the next time this test is performed.



Figure A



Figure B



Figure C

## 2. Pencil Load Test

1. Rub the surface of an unglazed ceramic disc or plate having a matte finish and a diameter of approximately 50 mm (thickness is not critical) with a standard HB pencil lead and then immerse the disc in the ultrasonically agitated cleaning tank. A ground glass stopper, a sheet of ground glass or an aluminum sheet with a thickness of 2 mm to 3 mm may be substituted for the ceramic disc.
2. The ultrasonic cleaner should completely remove the pencil lead within 3 minutes.

Consult your dealer or Coltène/Whaledent for service if needed.



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