

Medical Tests – CENTROLAB-HT* / PP-HT*

Overview description of base tests

Test plan – Test overview

No.	Test	Medium/Device	Criteria	Resistant to	Status
1	Immersion test	Oil MD500	visual change, weight	Oil	✓
2	Immersion test	Mikrozid AF Liquid	visual change, weight	Disinfection solution	✓
3	Sterilisation test	Lisa	visual change, weight, length	Sterilisation	✓
4	Thermal disinfection test	Miele Thermal disinfecter	visual change, weight, length	Thermal disinfection	✓
5	Tensile test method	Tensile testing machine			✓

1) Immersion test in Oil approx. 330 hours

The test specimens were marked, cut up and the weight of the pieces determined. The test specimens were laid in oil (fully covered) at room temperature for 329 hours. Afterwards, the test specimens were taken out of the test oil, dried with paper and weighed.

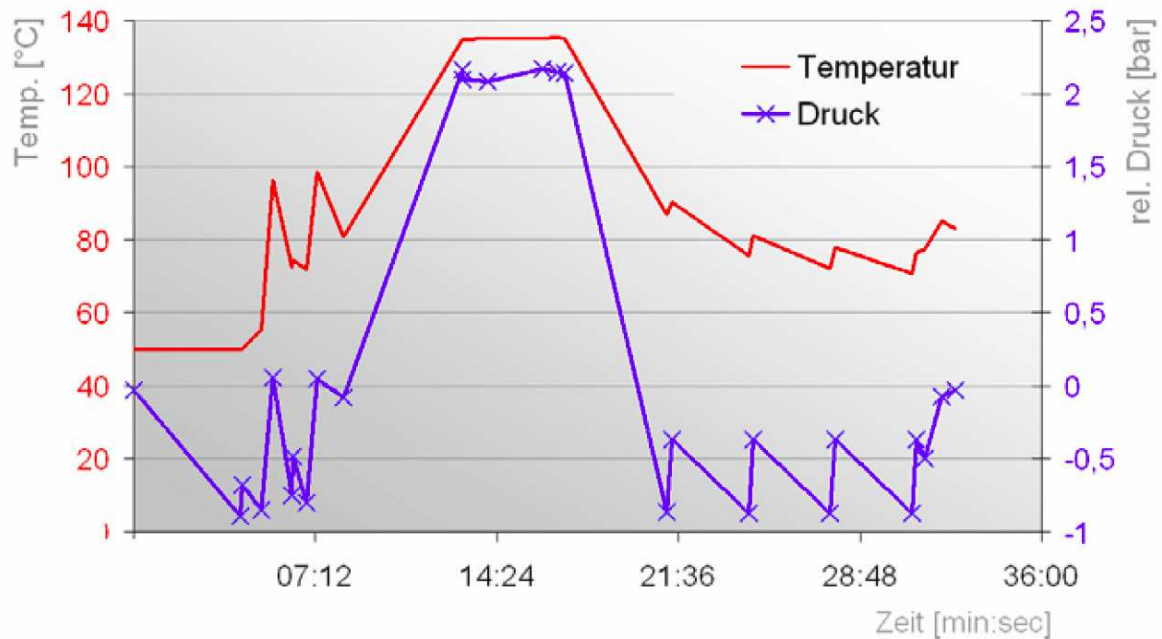
2) Immersion test in Mikrozid AF liquid approx. 330 h

The test specimens were marked, cut up and the weight of the pieces determined. The test specimen pieces were laid in the disinfection solution Mikrozid AF liquid (fully covered) at room temperature for 330 hours in a sealed container. Afterwards, the test specimens were taken out of the disinfection solution, dried with paper and weighed.

3) Sterilisation test in vacuum steam steriliser LISA – 1000 cycles

In each case 2 test specimens were marked and the weight determined. The vacuum steam steriliser LISA works with a fractional pre-vacuum, a saturated steam phase in the excess-pressure area of 3,16 bar resp. a temperature of approx. 134°C followed by a fractional after-vacuum (Steriliser Class B).

Sterile cycle LISA (B-Standard 134) – Example:



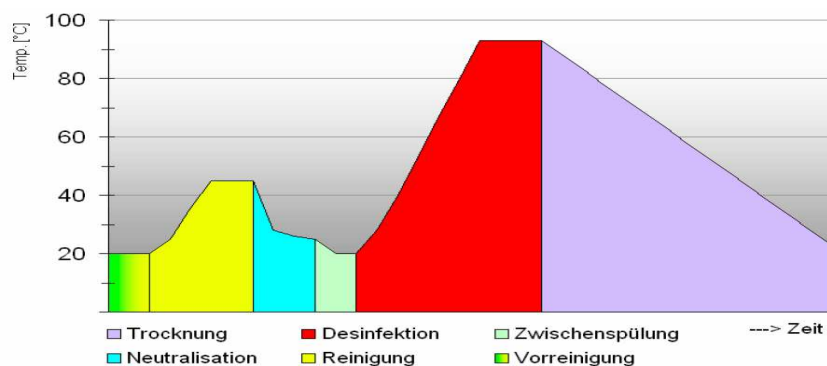
The tensile bars are visually examined after 1000 sterilisation cycles resp. compared with an “original bar”. Moreover the variation in weight is recorded.

4) Thermal disinfection test – 544 cycles

The test specimens (tensile bars) are visually examined after 544 cycles and the variation in weight resp. length recorded. During the thermal disinfection process temperatures up to 95°C and pH-values up to pH12 act on the test specimens. The construction of a thermal disinfector is similar to that of a conventional household dish washer.

Thermal disinfection cycle

Example: Thermo-disinfector Miele Professional G 7835 CD



5) Tensile test

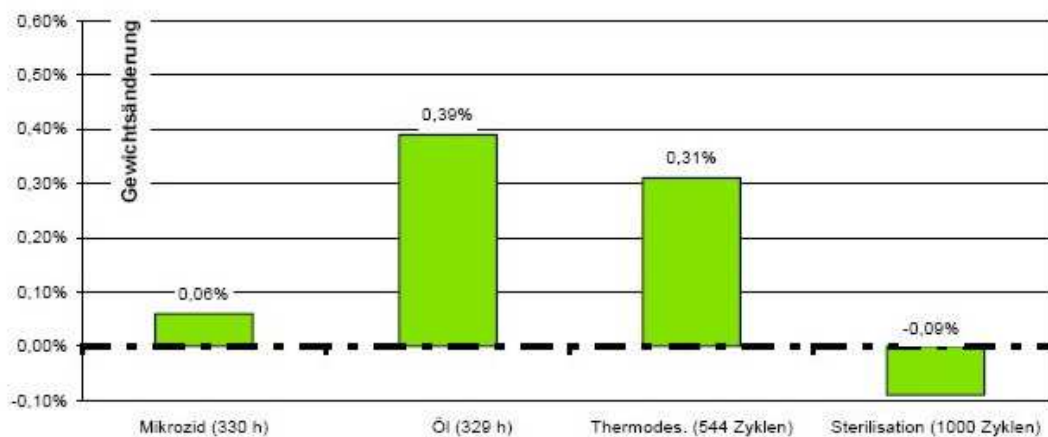
Two unaged and two aged standard tensile test pieces of each (with 1000 sterilisation cycles each resp. 544 thermo disinfection cycles) were tested referring to ISO 527.

Test speed: 10 mm/min

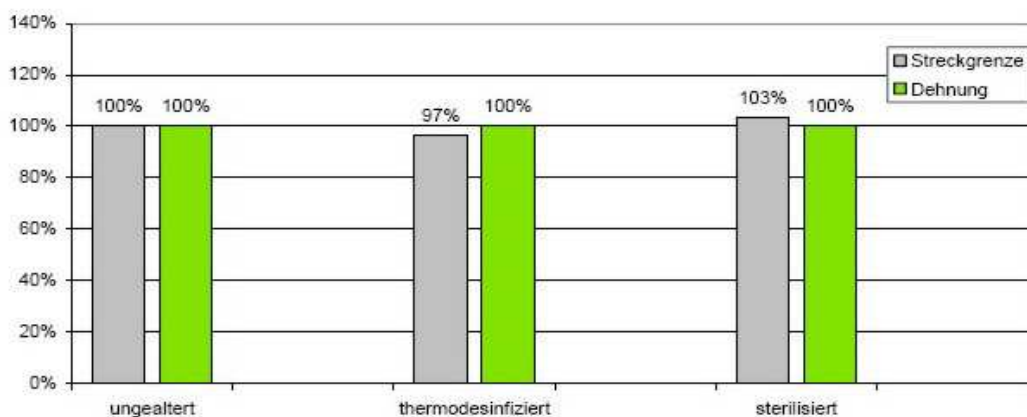
Clamping distance: 115 mm

Name of tensile test specimen: **Centroplast HT natural**

Variation of Weight



Specific values of tensile test



* Tests solely on tensile bars