

AESCULAP Aicon® STERILE CONTAINER SYSTEM TEST RESULTS

Scientific Information

STABILITY / ENDURANCE TESTING

Various components of the AESCULAP Aicon® Rigid Container were subjected to rigorous testing of endurance. All components met the test requirements.

TEST DESCRIPTION

The following components were analyzed: front panel, identification tags, filter holders, perforation covers, EDS system and lid cover fixtures. All components were cleaned and sterilized and subsequently underwent thousands of cycles of assembly + disassembly to test their endurance and stability.

TEST DESIGN

First of all, all components were prepared by machine cleaning (rinse, clean, thermoinfection 95°C, drying), followed by fractionated steam vacuum sterilization (sterilization time 18 minutes at 134°C); identification tags were additionally treated by ultrasound before cleaning and sterilization. In a second step, the components underwent 0, 250 and 500 preparation cycles, followed by 2,000 to 10,000 assembly-disassembly cycles. The result was deemed successful if the components were able to withstand the cycles of preparation and assembly/ disassembly without any form of failure, such as breaking, tearing or an impaired functionality.

TEST RESULT

All analyzed components of the AESCULAP Aicon® Rigid Container fulfilled the pre-defined success criteria, no tearing, breaking or loss of function was observed.

AESCULAP® – a B. Braun brand

Aesculap AG | Am Aesculap-Platz | 78532 Tuttlingen | Germany
Phone +49 7461 95-0 | Fax +49 7461 95-26 00 | www.aesculap.com

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