



marTray®

Cleaning Performance

marTray® Cleaning Performance

Introduction

The innovative triangle surface structure of the marTray® system ensures optimal cleaning results for various loading configurations. Specially designed accessories, such as silicone mats / nets and single instrument holders, are perfect for the storage and processing of medical devices. This not only ensures an optimal cleaning result, but also maintains the value of medical products on the long run.

Test design

For a comprehensive test, different loading configurations were compiled in order to cover as many hospital variants as possible. The following scenarios were tested:

1. Standard storing with silicone mats / nets
2. Use of an additional lid
3. Small and large surface structure (marTray® and marTray® Mini)
4. Multi-layered storage in a single basket, both loosely and individually single stored

Method

In accordance with DIN EN ISO 15883-5, the surfaces of the medical products were contaminated with semolina paste and riboflavin. The medical products were contaminated by dipping them into the solution and dried overnight. Thus, a disposal time of about 15 hours was simulated. The loaded trays were then treated in a thermal disinfectant (Miele) in the Vario TD process with a mildly alkaline cleaner (neodisher Mediclean). The products were not subjected to any other methods, such as manual pre-cleaning, ultrasonic cleaning or similar cleaning steps. Finally, the products were visually checked for cleanliness. Furthermore, the products were observed under UV light since the added riboflavin becomes fluorescently visible.

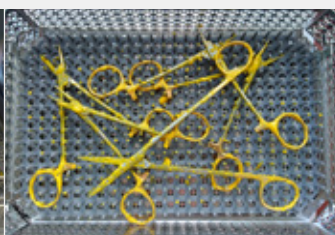
Result

All parts, i.e. medical products, trays and storage accessories, were cleaned without residues. In addition, no rinsing shadows or residual moisture was visible.

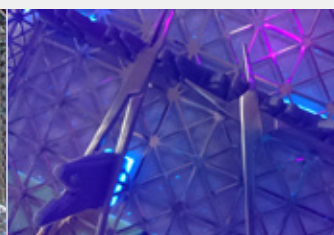
The marTray® system is therefore perfectly suited for machine based processing in a wide variety of loading scenarios, and also considerably simplifies the processing in a CSSD / RUMED due to its modular system design.



Placement in the thermal disinfectant



Soiled needle holders



No visible riboflavin residues



Visual inspection for cleanliness

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