

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo
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Service (sector) Cataract N° CEP

Endotoxins in Legacy's cassettes submitted to re-sterilization - A pilot study.

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Purpose: Contamination of automated cataract surgical equipment is a potential source of post operative endophthalmitis. To validate the re-sterilization of Legacy's tubing, we performed an evaluation to detect the existence of endotoxins. Methods: We investigated aspiration fluid specimens from inflow line (irrigation) of Legacy's cassette in three situations. A: After use but before drying and sterilization; B: After drying without sterilization; C: After drying and ethylene oxide sterilization. All samples were collected, irrigating the inflow line with apyrogenic water. The samples were submitted to Limulus Amebocyte Lysate (LAL) Endosafe test to detect endotoxins. Results: All LAL Endosafe tests were negative showing the absence of endotoxins on Legacy's tubes in situations A, B or C. Conclusions: Although there were no endotoxins in these samples, further studies are necessary to validate the re-sterilization of this cassettes.