Cellufine ETclean

Endotoxin inactivation of laboratory hardware and reagents by dry heat sterilization[1)]

Table 1. Preparation of laboratory hardware and reagents used for Cellufine ETclean evaluation

Hardware & Chemicals	Operation
Glassware, metal, aluminium foil	Dry heat sterilization 30 minutes or more at 250 ℃.
Reusable screw caps [2)] Red PBT (polybutylene terephthalate) Red melamine ETFE pouring rings	Dry heat sterilization 2 hours at 180 ° C
*Silicon / silicon tubes	Dry heat sterilization 2 hours at 180 ℃.
Plastics	5% hydrogen peroxide 3 hours at 70 ℃ or 0.2 M NaOH/95 % EtOH 3 hours at room temperature.
**NaCl	Dry heat sterilization 30 minutes or more at 250 ℃.
NaOH/HCl/Acetic acid	Can be used without treatment
Water	Pyrogen free water, water for injection
Buffers	ET-free reagent can be purchased or Cellufine ETclean column is used to make buffer Endotoxin-free

*Please carry out with reference to the description of a silicone product.
**If mineral salt is below the decomposition temperature, it can be dry heat sterilization.

References

1) APPLIED AND ENVIRONMENTAL MICROBIOLOGY, Nov. 1978, p. 710-714 Vol. 36, (5)
Dry-Heat Destruction of Lipopolysaccharide: Dry-Heat Destruction Kinetics
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2)http://www.sigmaaldrich.com/