

## Cellufine ETclean

### Endotoxin inactivation of laboratory hardware and reagents by dry heat sterilization<sup>1)</sup>

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 °C.
Reusable screw caps <sup>2)</sup> 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 °C.
Plastics	5% hydrogen peroxide 3 hours at 70 °C or 0.2 M NaOH/95 % EtOH 3 hours at room temperature.
**NaCl	Dry heat sterilization 30 minutes or more at 250 °C.
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  
KIYOSHI TSUJI AND SUSAN J. HARRISON

2)<http://www.sigmaaldrich.com/>

## JNC CORPORATION

Life Chemicals Division  
2-1, Otemachi 2-chome, Chiyoda-ku  
Tokyo 100-8105 Japan  
[cellufine@jnc-corp.co.jp](mailto:cellufine@jnc-corp.co.jp)