

BS EN 13704:2018

Quantitative Suspension Test for the Evaluation of Sporicidal Activity of Chemical Disinfectants used in Food, Industrial, Domestic and Institutional Areas (Phase 2, Step 1)

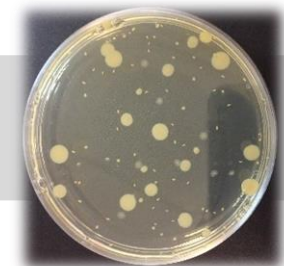
Overview of the Revised Test Method

A sample of the product is added to a test suspension of spores in a solution of interfering substance. The mixture is maintained at the contact time and temperature specified.



At the end of this contact time an aliquot is taken and immediately deactivated (neutralised) by a validated method.

The numbers of surviving organisms are determined and the reduction calculated





Key Differences between previous sporicidal test method and the new standard

- The test is performed using *Bacillus subtilis* as the standard organism, as in the previous method. However additional sporicidal activity against anaerobes and aerobes for specific uses is now required with testing against *Clostridium sporogenes* and/or *Bacillus cereus*. Other organisms such as *Clostridium difficile* are only required to support named organism claims under appropriate circumstances.
- The obligatory test conditions have been revised, now including minimum and maximum conditions for contact time and temperature, also the option of high soil (dirty) conditions.
- The spore preparation methods have been modified and now include a longer maturation time and heat treatment.
- The spores are verified by testing against glutaraldehyde and peracetic acid at two concentrations to assess resistance and susceptibility.

The revised method states that any results obtained from the previous 2002 version are NOT VALID

A teal-colored graphic for MSL Biocides. It features a central purple circle with the MSL logo and 'BIOCIDES YOUR SOLUTION PROVIDERS www.msl.io'. Surrounding this are several smaller circles containing the words: Spores, Viruses, Bacteria, Mould, Mycobacteria, Yeast, and Algae. To the right, there is a list of services: Efficacy Testing, Stability Testing, Technical Support & Consultancy, Regulatory Services, and Bespoke Testing. Below this list is the contact information: Tel: 0844 824 6003, +44 (0) 1706 282 960, Gollinrod, Walmersley, Bury, Greater Manchester, BL9 5NB, UNITED KINGDOM, and www.msl.io. A small image of a petri dish with red bacterial cultures is in the bottom right corner.

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Gollinrod, Walmersley
Bury, Greater Manchester, BL9 5NB
UNITED KINGDOM

www.msl.io

To discuss this test method or for any other enquiries, please contact Carolyn Burney: Carolyn.Burney@msl.io