

TWO STEPS FOR FAST, ACCURATE PLATE READING



CLASSIFICATION ProtoCOL 3 Batch creation

- Differentiate between colour, size and shape
- Upper and lower count limits can be set i.e. <10cfu or >300cfu
- Selection of a counting area i.e. whole filter or half filter
- Separation of touching colonies to ensure an accurate count
- Exclusion of unwanted items such as product
- Grid classification



MEASURE Count using ProtoCOL 3

- Automated count in seconds
- Detection of organisms as small as 43µm
- Average multiple plate counts
- Automatically stores plate counts to a Microsoft SQL server database
- Edit counts with an audit trail to comply with GMP/GLP
- Results can be directly transferred to a LIMS system, Excel or entered into one of ProtoCOL 3's report templates



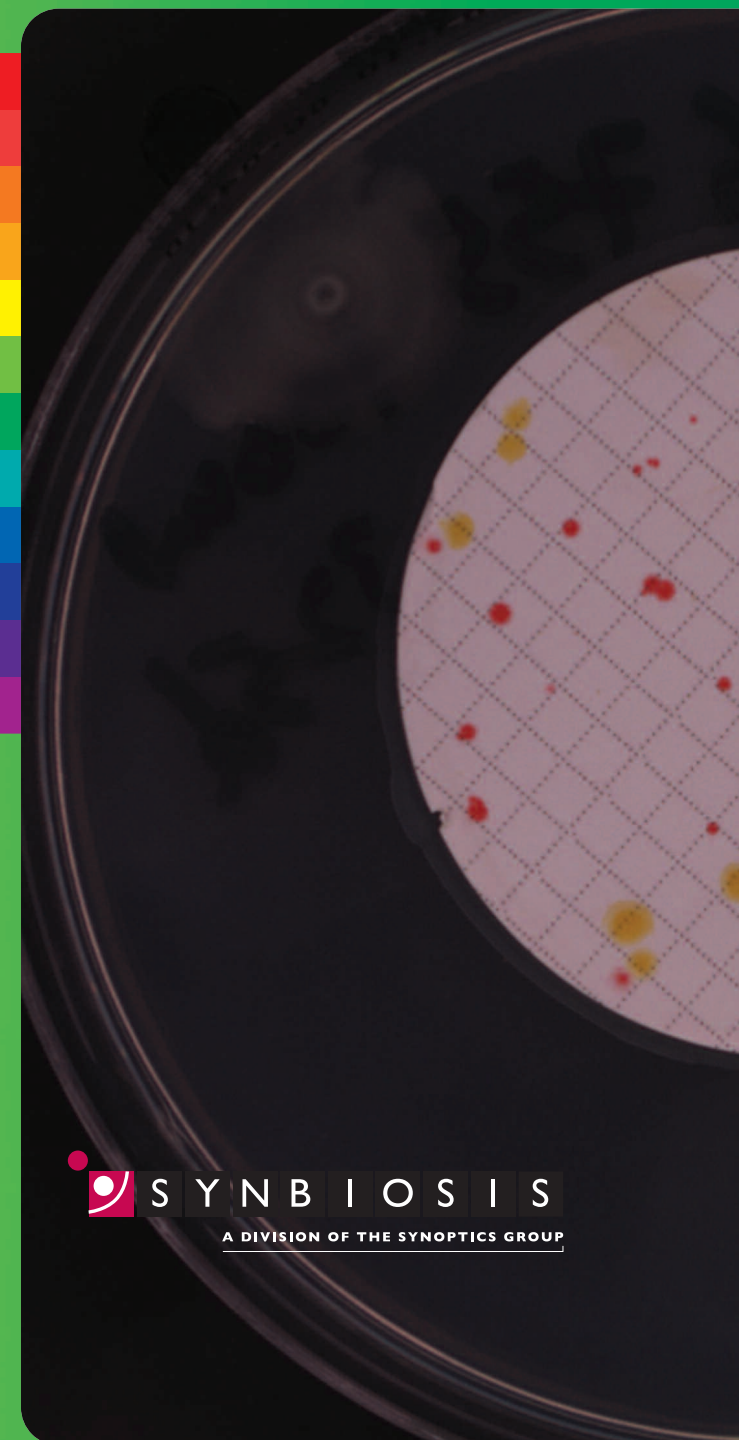
Synbiosis USA Headquarters:
5108 Pegasus Court Suite M
Frederick MD 21704 USA
Tel: 800-686-4451/301-662-2863
Fax: 301-631-3977
email: ussales@synbiosis.com

Synbiosis Europe and
International Headquarters:
Beacon House Nuffield Road
Cambridge CB4 1TF UK
Tel: +44 (0)1223 727125
Fax: +44 (0)1223 727101
email: sales@synbiosis.com

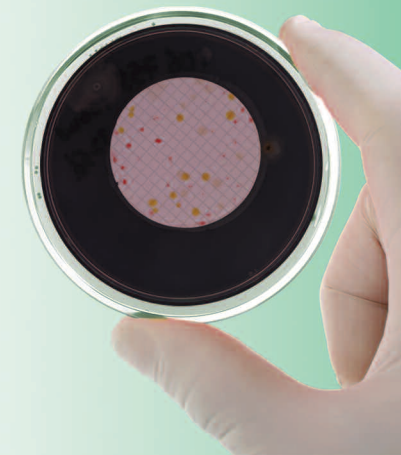
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BIOBURDEN - MEMBRANE FILTRATION



BIOBURDEN MEMBRANE FILTRATION



- A Bioburden test determines the approximate number of microorganisms on or in a product prior to sterilisation
- Acts as an early warning system for possible production problems which could lead to inadequate sterilisation
- The Bioburden of a product is estimated by filtering a volume of sample or sample wash fluid through a filter membrane
- The membrane filters are placed on a suitable growth medium and incubated
- All the colonies are counted and the number of microorganisms per device or per ml calculated