

## 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
- 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
- Counts and images stored automatically
- Manually, add or delete colonies 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 customisable reports



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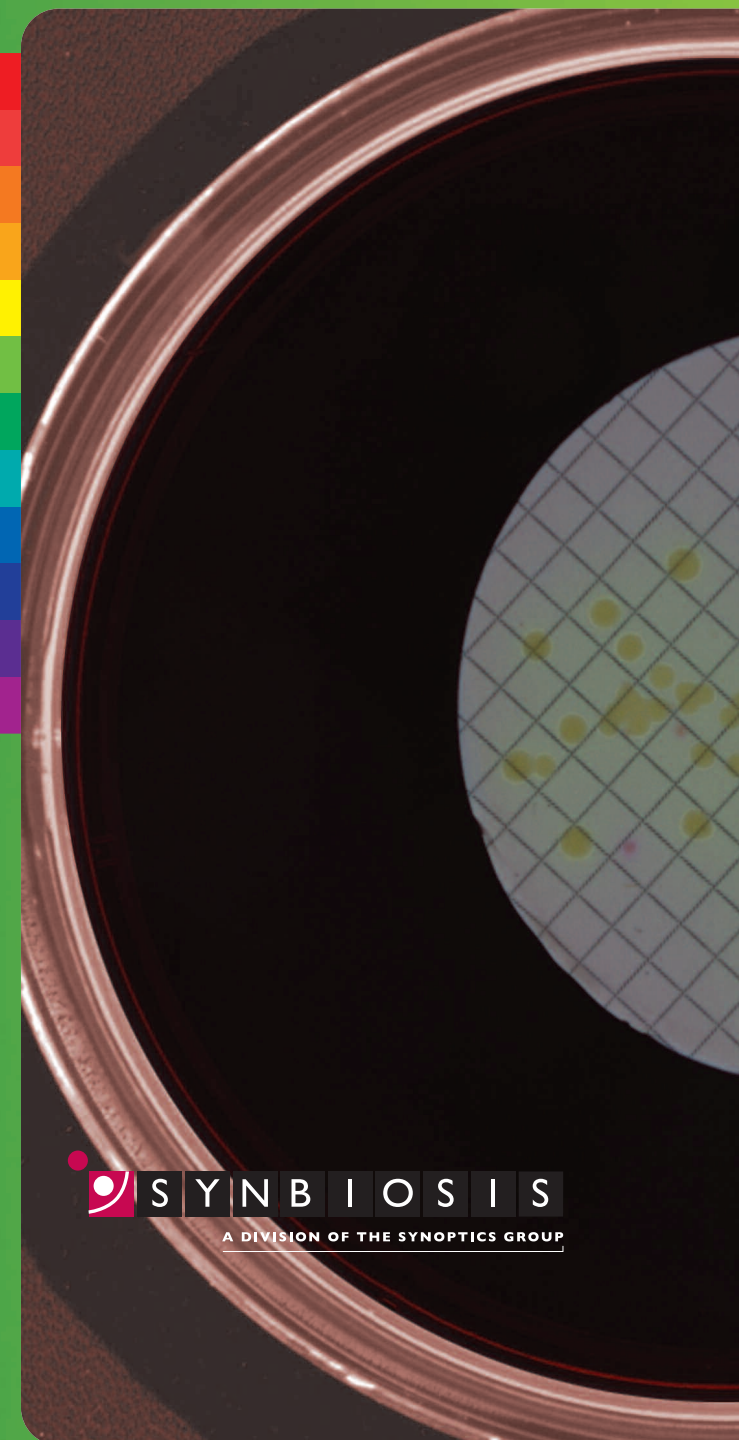
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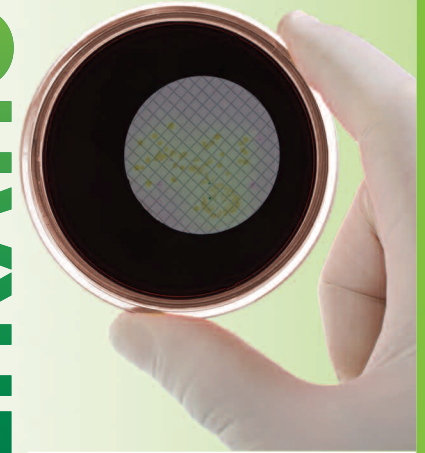
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MICROBIAL LIMITS TEST - MEMBRANE FILTRATION



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# MICROBIAL LIMITS TEST-MEMBRANE FILTRATION



- Microbial Limits Test is designed to perform the quantitative estimations of specific viable microorganisms present in samples
- There are four methods for this test, including membrane filtration
- Membrane filtration applies to samples which contain antimicrobial substances
- Samples are filtered through a membrane filter which retains any microorganisms present. The filters are placed on a suitable growth medium and incubated. Any viable aerobic organisms will grow and be counted

COUNTS ON  
GRIDDED  
MEMBRANE

DILUTION  
FACTOR

COUNTS FOR  
EACH COLONY  
COLOUR

REPORTING

ProtoCOL 3 with its easy to use software, built in MS SQL server database and touch screen interface makes the counting of membrane filters fast, secure and accurate