

TWO STEPS FOR FAST, ACCURATE PLATE READING

CLASSIFICATION ProtoCOL 2 Batch creation

- Differentiate between colour, size and shape
- Addition of dilution series
- Choice of volume settings, counting thresholds and frame adjustments
- Separation of touching colonies
- Movable sector frame to avoid artefacts

MEASURE Count using ProtoCOL 2

- 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 2's customisable reports



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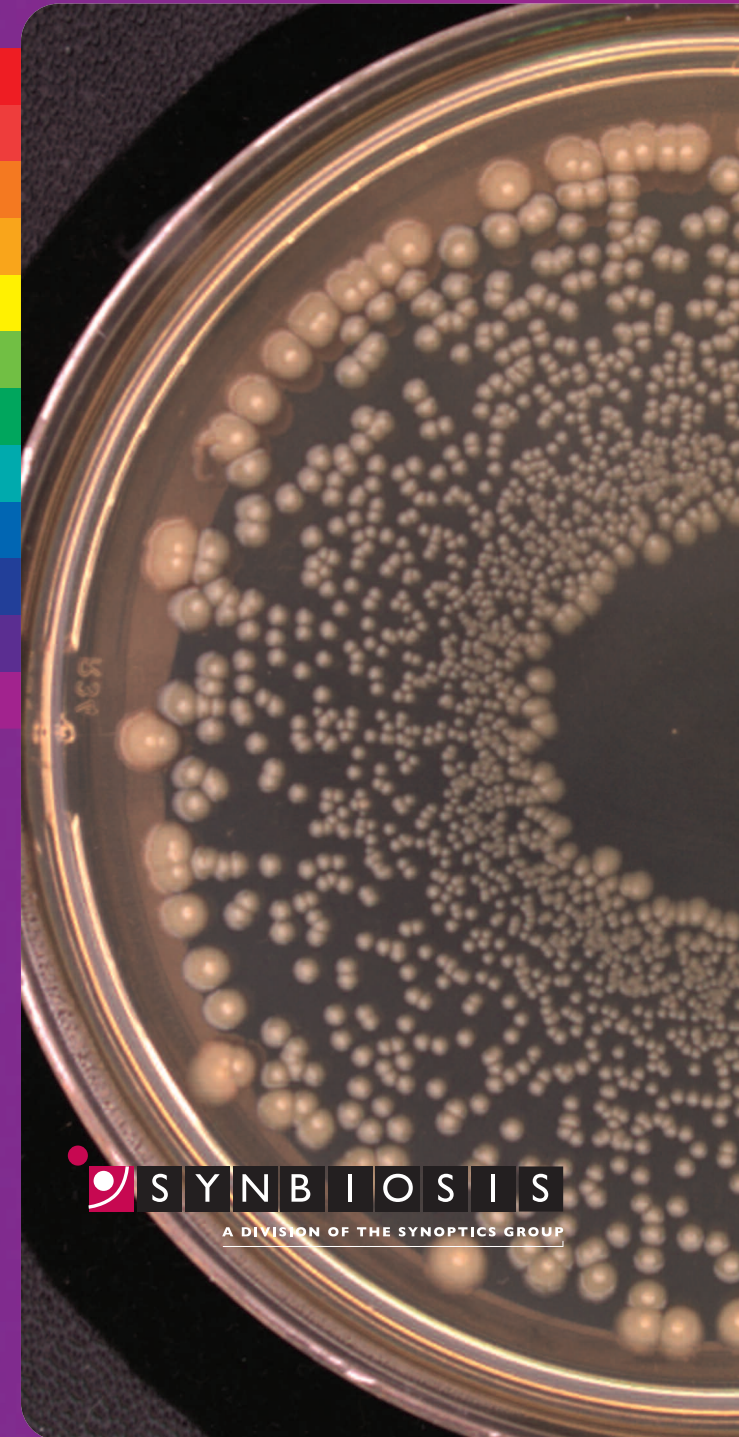
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SPIRAL PLATES



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SPIRAL PLATES



COLONY MARKERS



ACCURATE SECTOR COUNT







TOTAL COUNT PER ML



MOVEABLE COUNTING FRAME



-  Spiral plate is an apparatus for the quantitative estimations of viable microorganisms present in samples
-  Spiral plater are extensively used in food safety testing as well as the pharmaceutical industry
-  A logarithmically decreasing volume of sample is spiraled on the surface of a rotating petri dish
-  Bacterial concentration is determined by dividing the number of colonies found by the volume dispensed in the same sector of the dish

ProtoCOL 2 with its easy to use software, built in MS SQL server database and touch screen interface makes the counting of spiral plates fast, secure and accurate

