TWO STEPS FOR FAST, ACCURATE PLATE READING

CLASSIFICATION
ProtoCOL 3
Batch creation

- Differentiate between colour, size and shape
- Selection of grid templates
- Movable individual counting zones
- Separation of touching colonies
- Exclusion of unwanted items such as moulds or bubbles

MEASURE
Count using ProtoCOL 3

- Automated count in seconds
- Counts recorded for the entire plate and each counting sector
- Detection of organisms as small as 43μm
- 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
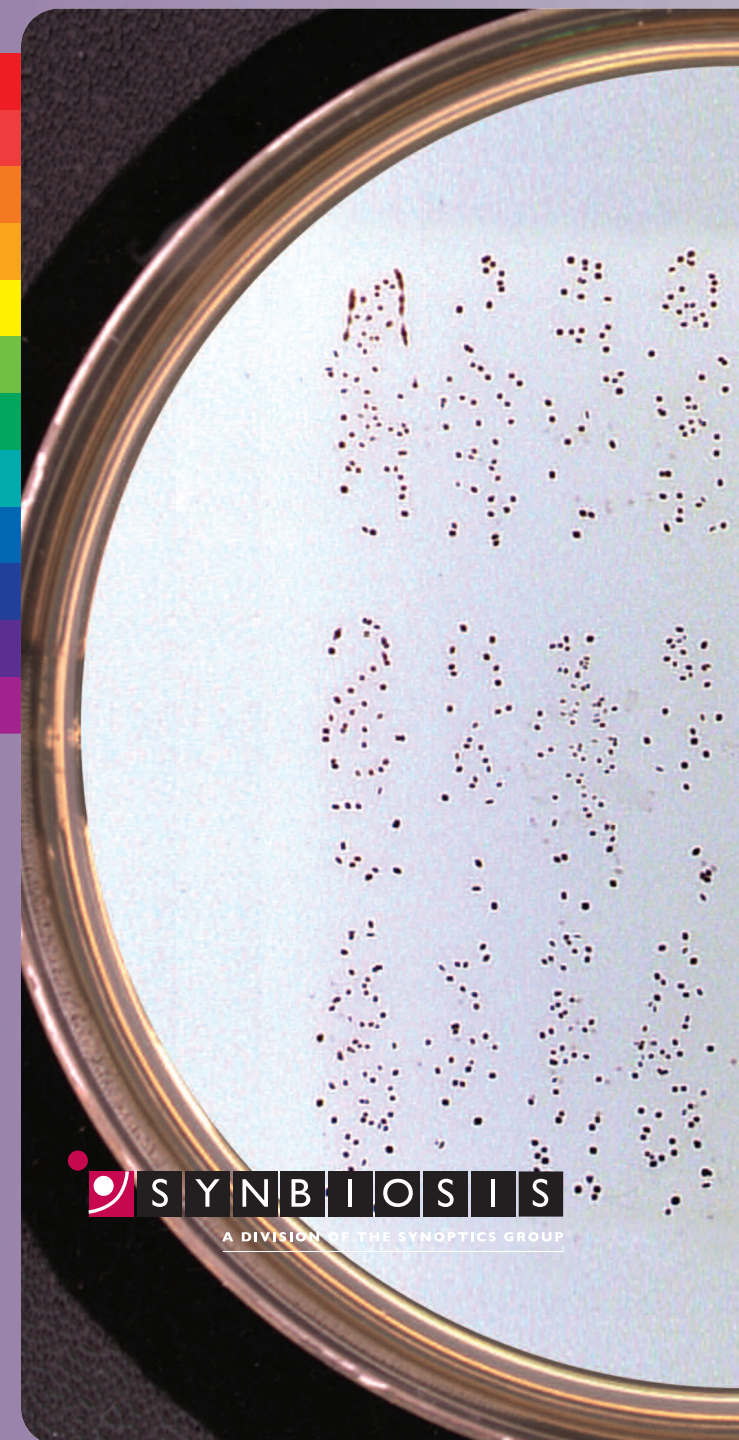
OPKA - OPSONOPHAGOCYTIC KILLING ASSAY

SYNBIOSIS
A DIVISION OF THE SYNOPTICS GROUP

SYNBIOSIS
A DIVISION OF THE SYNOPTICS GROUP

OPKA
OPSONOPHAGOCYTIC KILLING ASSAY

SECTOR COUNTS

ADJUSTABLE COUNTING FRAME

REPORTING

COLONY MARKERS

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

- The *in vitro* opsonophagocytic killing assay (OPKA) is essential for developing and improving vaccines, particularly pneumococcal vaccines
- Host protection against pneumococcal disease is mainly mediated by phagocytosis
- Opsonophagocytosis is a mechanism by which the host protects against infection, with the participation of serum opsonins (antibodies and complement)
- The presence of functional antibodies leads to an effective opsonisation and recovery from infection
- OPKA makes it possible to reproducibly estimate the phagocytic titre of sera from vaccinated and unvaccinated individuals