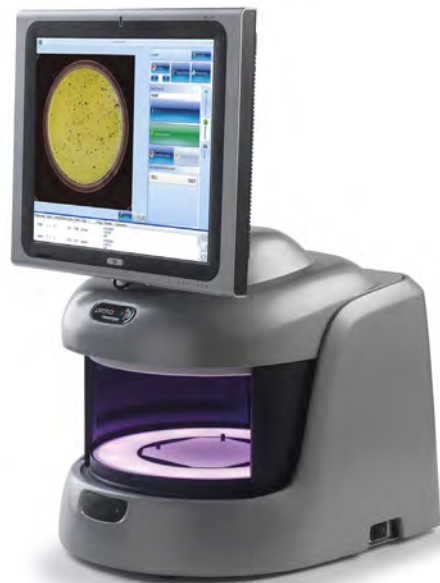




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# Bacterial Enumeration ProtoCOL3 Plus Automated Colony Counter + Zone Reader



A fully automatic colony counter and zone reading system

High resolution camera and LED lighting

Use plates up to 150mm diameter

Dark screens eliminate ambient light effects

Counts colonies as small as 43 microns

New, intuitive, easy to use software

GLP compliant and supports CFR 21 Part II

ProtoCOL3 Plus is an automated colony counter and zone reading system.

With a high specification digital camera and a system of LED lighting, it provides perfect illumination for imaging plates with colonies of any colour. The high quality of the imaging allows you to clearly distinguish different colours of colony on one plate, making this an excellent choice if you want to identify and count specific microorganisms from a mixed population or on chromogenic media.

This system is designed for superb flexibility, accuracy and an impressive counting speed. It can read plates of 30-150mm diameter, detecting colonies as small as 43 microns, and measure zones of inhibition as small as 0.1mm diameter.

Wrap-around, dark, screen doors are specially designed to eliminate the effects of ambient light, sunlight, fluorescent tubes and therefore improve your imaging results.

ProtoCOL3 Plus has a 17", colour touch-screen PC. The software automatically compensates for such things as: different coloured media; agar thickness and environmental debris. It is Windows 7 compatible.

Results and images produced by ProtoCOL 3 Plus are transferred to an SQL database avoiding any transcription errors. This provides the ability to view data remotely if required.



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## Options and Accessories

S02202	<b>Counting Software Module for spiral plates (includes validation plate)</b> Counts spiral plates by counting colonies in the outer sector of the upper half of the spiral and the lower sector of the spiral. If this count is less than the minimum count rule value, ProtoCOL3 will automatically count the whole plate.
S02203	<b>OPKA (Opsonophagocytic-killing assay) Software Module</b> <i>Streptococcus pneumoniae</i> is a major cause of pneumonia in young children and the elderly. The OPKA is a useful test for measuring antibody function and is a good surrogate assay for immune protection.
S02204	<b>Ames Software Module</b> Ames is a reverse mutation assay used to test whether samples are mutagenic and are therefore more likely to be carcinogenic. A genetically altered bacterium is put onto the plate along with the test sample. If the bacterium grows it means that the sample has reverse mutated the bacterium and is therefore likely to be mutagenic.
S02205	<b>Multi-sector Plates Software Module</b> Multi-sector plates are often used for environmental monitoring, ie air sampling. The plate is placed into an air sampler so that only one sector of the plate is exposed at a time as air is drawn through the air sampler. Each sector is then counted in turn.
S02206	<b>SBA (Serum Bactericidal Assay) Software Module</b> Used to measure immunity to <i>Neisseria meningitidis</i> .
S02216	<b>ProcScan</b>
S02215	<b>ProcMacro</b>

## Specification

Order Codes:	
S02200	ProtoCOL3 Plus Automated Colony Counter + Zone Reader

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