

ProtoCOL 3 Batch creation

- Choose from a variety of zone templates
- Olour samples are taken of discs, zones, and background to improve accuracy of zone detection
- Choice of 6 different zone types i.e. indistinct zones, touching zones etc
- Irregular zones can be measured using ProtoCOL 3's shape analysis

MEASURE Measurement using ProtoCOL 3

- Automated accurate zone measurements in seconds
- The area of the inhibition zones is detected using imaging technology. The detected area is then converted to a diameter, this is equivalent to taking an infinite number of diameter measurements and calclating the mean
- Automatically stores measurements to a Microsoft SQL server database
- Wells can be adjusted manually with an audit trail to comply with GMP/GLP
- Results can be directly transferred to a LIMS system, Excel or a statistical package

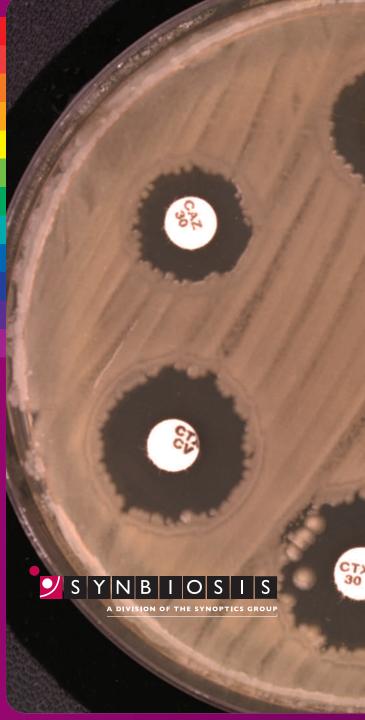


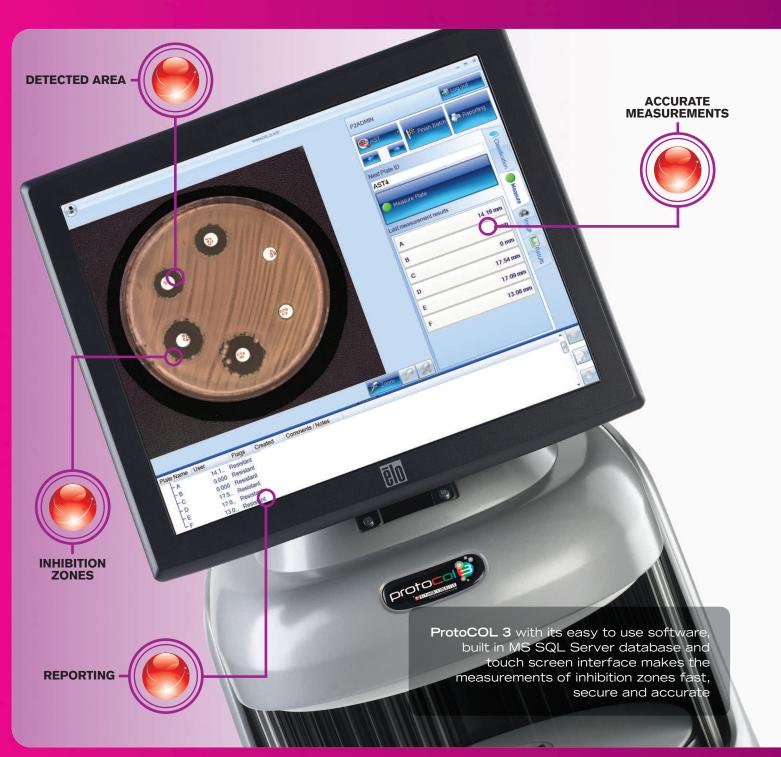
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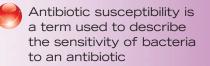






NTIBIOTIC PTIBILITY TEST-AST





AST is usually carried out to determine which antibiotic would be most successful in treating a bacterial infection in vivo

Filter paper impregnated with an antibiotic is placed onto a plate upon which bacteria are growing

If bacteria are sensitive to the antibiotic a zone of inhibition is present

The size of the zone is dependent on the diffusion rate of the antibiotic, the degree of sensitivity of the microorganism, and the growth rate of the bacterium