The automatic, robust way
to gain fast results in the
microbiology laboratory.

Direct and indirect
impedance measurements
and modular design provide
a totally flexible screening
system with Windows™
based software.

RABIT measures impedance - the most versatile and least expensive
of all rapid bacterial detection methods. It combines ease of use
with leading edge electronic technology. Two specific techniques
offer the user considerable scope.

In the direct technique, metabolising micro-organisms increase the
electrical conductance of the culture medium in the system.
RABIT measures these changes and provides results faster
than by the use of traditional methods.

The indirect technique provides a flexible impedance method which
monitors the amount of carbon dioxide produced by growing
organisms. This technique is particularly suitable for detecting
organisms which do not produce highly charged metabolites, for
example yeasts and moulds.
The benefits of RABIT

RABIT 3 is a compact and versatile system for rapid microbial testing. The modular design enables a laboratory to enter the field of rapid testing with an initial system which comprises a PC, Ethernet switch and a single 32 channel incubator module.

The system can be expanded to provide a total of 512 channels by adding more incubator modules*. No further expenditure on computer hardware or software is necessary.

The system is designed to allow tests to be carried out over a range of incubation temperatures to provide maximum flexibility for microbiological testing.

The Windows™-based software provides an easy to operate environment for sample entry and analysis of results. The impressive data handling capabilities are further enhanced by a facility to export generated data for use in various spreadsheet/database software programmes.

RABIT combines high technical specifications with low consumable costs – preserving the major financial advantage of rapid microbial detection. The test cells are durable, re-usable and easy to clean and maintain.

Laboratories in the food, pharmaceutical, petrochemical, public health and dairy industries, in addition to many universities, are using RABIT with excellent results. All Don Whitley Scientific customers have access to our team of engineering, electronics, software and microbiology staff. Any special needs are considered by microbiologists working in our own GLP-compliant laboratories.

Should any development work be necessary to match a RABIT system to your requirements this can be carried out quickly to ensure that you benefit from our considerable experience of impedance microbiology.

* Please note that RABIT 3 incubator modules are not compatible with older RABIT systems.