MicroScan Microbiology Systems

ACCURACY IS SPEED

MicroScan answers the need for efficient patient care by delivering rapid, automated ID/AST results without sacrificing accuracy.
“Overall, I feel the results are accurate. The identification accuracy I feel is superior. In the first year we had the MicroScan, we saved over $70,000 in send-out costs alone because the MicroScan could identify isolates that our previous system could not.”

Jennifer Blakeney, M.T. (ASCP), Lead Microbiology/Immunology Technologist, Beebe Medical Center Laboratory

Accuracy for Better Patient Outcomes

Avoid confirmatory testing, retesting, and mistakes—all of which take time and interrupt workflow. MicroScan microbiology systems help you avoid delays through accurate first-time testing.

ACCURACY IS SPEED

For more than 30 years, MicroScan microbiology products have been exclusively focused on ID/AST testing, offering unmatched experience, expertise, and technical support to provide you with accurate results the first time.

Get answers right the first time.

› Trusted detection
  Advanced Minimum Inhibitory Concentration (MIC) technology detects emerging resistance as it occurs, providing accurate results without reliance on historical data or virtual MIC.

› Accurate drug-bug performance
  The fewest clinically significant drug-bug limitations of any automated ID/AST system result in fewer repeat and confirmatory tests.

› Powerful reporting
  MIC and susceptibility results that correlate with classical broth microdilution and disk diffusion deliver answers the trusted way.

› Real-time alerts
  LabPro Alert automatizes detection of atypical results for quick recognition and reporting.
MicroScan Systems
MicroScan provides high-quality performance and reliability—backed by over 30 years of ID/AST testing experience—for laboratories of every size. With this unmatched expertise comes the assurance that you are partnering with a company that is capable of improving your laboratory processes and growing with you as your laboratory expands.

All MicroScan microbiology instruments use a single-panel format allowing for easy expansion into our powerful automated systems as the laboratory grows.

Worldwide Trusted Quality
MicroScan WalkAway plus Microbiology Systems
› Ideal for mid- to high-capacity laboratories
› Supports multiple workload needs with both 40- and 96-panel capacity models
› Automated incubation, test interpretation, and reagent control
› 20+ year history of reliability

Proven Dependability
autoSCAN-4 System
› Ideal for small-capacity laboratories or backup testing
› Automated read of bacterial ID and susceptibility in seconds
› Supports testing for difficult and slow-growing species
› Computerized system automatically records and interprets instrument results

“`The MicroScan unit is an overnight testing system that is a true growth/no growth system, which gives you the most accurate results. It offers the flexibility of either a full MicroScan MIC panel or combination identification and susceptibility panel. The MicroScan [system] has been very consistent and reliable; it’s attested by the fact that we have 10 of them.”`

James Clark, M.T. (ASCP), Microbiology Manager, Alverno Clinical Laboratories
MicroScan System Panels

Today’s microbiology lab is continuously faced with change—change in antimicrobial resistance; change in formularies and therapies; change in the healthcare landscape. For over 30 years, MicroScan panels have provided gold-standard bacterial identification and susceptibility products, confronting emerging resistance with speed and accuracy. Count on MicroScan for unmatched experience, expertise, and selection.

MicroScan offers a broad choice of panel formats:

› Conventional overnight panels
› Rapid ID panels
› ESβL plus panels
› MiCroSTREP plus panels
› Specialty ID panels

The Fewest FDA Limitations

MicroScan panels also offer the fewest FDA limitations available and adhere to all major microbiology standards organizations, including CLSI and EUCAST. Maximize your workflow flexibility with a choice of three testing options:

› ID-only panels
› AST-only panels
› ID/AST panels

“MicroScan gives us an identification along with many different antibiotics on a single panel. For us, that is a major plus because we have 25 hospitals. One hospital will use one antibiotic and another hospital will choose a different one within the same class. The single MicroScan panel with its extensive menu of antibiotics allows us to test virtually every possible combination that our hospitals need.”

James Clark, M.T. (ASCP), Microbiology Manager, Alverno Clinical Laboratories

MicroScan panels provide superior accuracy in detection of CRE, carbapenemase resistant Enterobacteriaceae, a CDC- and globally identified health risk.²⁵,⁶
MAKE ACCURATE RESULTS ACTIONABLE

LabPro Software Suite
Enhanced data management with our LabPro software suite improves lab efficiency by streamlining workflow and making information about patient care easily accessible. Collectively, LabPro Manager, LabPro Connect, and LabPro AlertEX help you standardize and consolidate testing regimens, accommodate versatile results reporting, and expand your ability to identify emerging resistance.

LabPro Information Manager
› Powerful management of microbiology results, from order to LIS transmission, increases efficiency.
› Easy-to-use and customizable software provides customers with the flexibility to make results actionable.

LabPro AlertEX
› Provides automated detection of atypical results for quick reporting.
› Fully customizable software allows use of alternate break points when interpreting MIC results.
› Directs staff to the most appropriate action based on customized institutional procedures.

LabPro Connect
› Manage identification and antibiotic susceptibility testing (ID/AST) data right from your laboratory workstation.
› Consolidate data from multiple testing systems for epidemiology and other management reports right in your laboratory office.
› Choose between open or closed systems on your laboratory local area network (LAN).

“I love LabPro Connect, it made a real difference particularly in our unusually shaped laboratory, where we used to be bunched up to read results from the MicroScan computer. We can now read results, resolve exceptions, and reorder panels from wherever we are sitting, saving us time and eliminating congestion.”
Angela Beth Prouse, MS, M.T. (ASCP), Clinical Microbiologist, Peninsula Regional Medical Center
STREAMLINE YOUR WORKFLOW

PROMPT™ Inoculation System and RENOK Rehydrating Inoculator

Simultaneously inoculate all 96 wells of MicroScan ID, AST, and Combo panels.

Select colonies with PROMPT
Standardize inocula without time-consuming turbidity using the PROMPT Inoculation System.

Prepare inoculum with PROMPT
Inoculum stability up to four hours allows for flexibility in the workflow.

Inoculate panel with RENOK
Simultaneous inoculation of all 96 wells of the panel simplifies the workflow.

Get results with the MicroScan System
Use the LabPro Suite of software for customizable data analysis and management.

MicroScan Panel GuIDe7 and Biotype Lookup Program online tools help streamline your panel selection and provide 24/7 access to our powerful database of atypical organisms.
The Smart Microbiology Automation Solution

Discover what Beckman Coulter can offer you. Visit www.beckmancoulter.com/microbiology to see how our microbiology automation is benefiting laboratories and improving patient care.

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**Pre-analytical**

**Specimen Collection**
- Standardizes collection of diverse specimen types (sputum, blood, urine, stool).
- Only liquid-based multipurpose system that maintains viability of aerobic, anaerobic, and fastidious bacteria.
- Facilitates automation and elutes samples in seconds.

**Copan ESwab™**

**Specimen Processing**
- Automates all core aspects of microbiology specimen processing.
- Dual-streaking capability allows customers to streak two specimens on one plate, providing cost savings.
- Modular design allows future addition of new modules, including automated conveyor track.

**Copan WASP: Walk-Away Specimen Processor®**

**Rapid ID**
- Rapid isolate identification complements ID/AST testing on the MicroScan WalkAway plus Microbiology System.
- Highly accurate and applicable to a wide range of microorganisms.
- Cost-effective and much faster than traditional methods.

**Bruker MALDI™ Biotyper System**

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**Analytical**

DISCOVER THE SMART CHOICE IN AUTOMATION
“For me personally, it’s extremely rewarding and exciting to be at the forefront of what’s happening in microbiology automation. Partnering with MicroScan is helping us reduce costs and improve the consistency of work. The Microbiology Automation Solution we are implementing will help support our future growth.”

Dale Kahn, M.T. (ASCP), Central Laboratory Operations Director, Alverno Clinical Laboratories

**Post-analytical**

**MicroScan WalkAway plus Microbiology System**

› Delivers gold-standard accuracy for microorganism identification and susceptibility testing.
› Enables simultaneous processing of conventional, rapid, and specialty panels on a single, automated platform.
› Delivers accurate emerging resistance detection for the toughest pathogens, including VISA, VRSA, and MRSA.

**LabPro Information Management Systems**

› Powerful data management of lab test results, from order to LIS transmission, increases efficiency in busy and complex laboratories.
Accuracy Is Speed
The MicroScan WalkAway plus systems use real MIC technology to provide the accurate results that laboratories need to operate efficiently.

Accurate Solutions for Every Lab
MicroScan systems are available in three sizes:
› autoSCAN-4 system
› MicroScan WalkAway 40 plus
› MicroScan WalkAway 96 plus

Resistance Detection Done Right
Available panel types for use with MicroScan systems include:
› Conventional panels
› Rapid ID panels
› Specialty ID panels
› MICROSTREP plus panels
› ESβL plus panels

Make Accurate Results Actionable
Our advanced software programs—LabPro Information Manager, LabPro Connect, and LabPro Alert— are flexible and adaptable to unique laboratory requirements and provide crucial alerts and suggestions about atypical results in real time.

Streamline Your Workflow
With sophisticated tools to support efficient workflow, including the PROMPT Inoculation System and the RENOK Rehydrating Inoculator, MicroScan systems help you get the quick and accurate results you need.

The Smart Choice in Microbiology Automation
The Smart Microbiology Automation Solution combines the proven accuracy of the MicroScan product family with the powerful workflow efficiencies of the Copan WASP® system and the Bruker MALDI Biotyper system.

To learn more, visit:
www.beckmancoulter.com/microbiology
### AN EXTENSIVE ORGANISM IDENTIFICATION DATABASE

**Gram Positives**

- *Kocuria kristinae*
- *Listeria monocytogenes* (Micrococccus species)
- *Rothia dentocariosa*
- *Rothia mucilaginosa*
- *Staphylococcus aureus*
- *Staphylococcus capitis ss. capitis*
- *Staphylococcus cohnii ss. cohnii*
- *Staphylococcus cohnii ss. urealyticum*
- *Staphylococcus epidermidis*
- *Staphylococcus haemolyticus*
- *Staphylococcus hominis ss. hominis*
- *Staphylococcus hominis ss. novobiosepticus*
- *Staphylococcus hyicus*
- *Staphylococcus intermedius*
- *Staphylococcus lugdunensis*
- *Staphylococcus schleiferi ss. coagulans*
- *Staphylococcus simulans*
- *Staphylococcus warneri*
- *Staphylococcus xylosus*

**Gram Negatives**

**Glucose Fermenters**

- *Aeromonas hydrophila* group
- *Cedecea daviae*
- *Cedecea lapagei*
- *Cedecea neteri*
- *Cedecea species 3*
- *Cedecea species 5*
- *Chromobacterium violaceum*
- *Chryseobacterium indologenes*
- *Chryseobacterium meningosepticum*
- *Citrobacter amalonaticus*
- *Citrobacter freundii complex*
- *Citrobacter koseri*
- *Edwardsiella tarda*
- *Enterobacter aerogenes*
- *Enterobacter amnigenus 1*
- *Enterobacter amnigenus 2*
- *Enterobacter asburiae*
- *Enterobacter caccae*
- *Enterobacter cloacae*
- *Enterobacter gergoviae*
- *Enterobacter intermedius*
- *Enterobacter sakazakii*
- *Escherichia coli*
- *Escherichia fergusonii*
- *Escherichia hermannii*
- *Escherichia vulneris*
- *Ewingella americana*
- *Haemophilus alvei*
- *Klebsiella oxytoca*
- *Klebsiella ozrenae*
- *Klebsiella pneumoniae*
- *Klebsiella rhinoscleromatis*
- *Klyvera ascorbata*
- *Klyvera cryscens*
- *Leclercia adecarboxylata*
- *Leminorella species*
- *Moellerella viridiversa*
- *Morganella morganii*
- *Pastea agglomerans* group

**Glucose Non-fermenters**

- *Acinetobacter baumannii*
- *Acinetobacter haemolyticus*
- *Acinetobacter lwoffii*
- *Alcaligenes xylosoxidans ss. xylosoxidans*
- *Alcaligenes species*
- *Bergeyella zoohelcum*
- *Bordetella bronchiseptica*
- *Burkholderia cepacia*
- *Burkholderia pseudomallei*
- *Chryseobacterium indologenes*
- *Chryseobacterium meningosepticum*
- *Delftia acidovorans*
- *Empedobacter breve*
- *Moraxella species/Psychrobacter species*
- *Myroides species*
- *Ochrobactrum anthropi*
- *Oligella ureolytica*
- *Pasturella multocida*
- *Pasturella-Actinobacillus species*
References

1. Applies only to countries using FDA panels. Data on file.
7. Currently available in the U.S.

Not all products available in all countries.

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