



Revolutionizing Veterinary Diagnostics

What is MiQLab[®] System?

MiQLab System for Veterinary Diagnostics

is a fully automated system for accurate and reliable molecular testing at point-of-care. It uses real-time polymerase chain reaction (qPCR) to:

- Simultaneously screen for multiple targets with high sensitivity and specificity
- Return results in approximately 2 hours

MiQLab Bacterial and AMR Test

is designed for rapid diagnosis of common infectious diseases in cats and dogs. This panel provides tests for 10 bacterial pathogens and 33 markers covering 4 classes of antimicrobials resistance.



**Watch our Virtual
Demonstration**



Easy Workflow

Simply add patient sample to cartridge and load it onto MiQLab System <1 min hands-on time



Rapid Screening

Sample-to-answer in ~2 hrs vs. waiting days for traditional culture and sensitivity test results



Evidence-Based Decision Making

Simultaneously detect many pathogens and other molecular markers by real-time PCR



Better Patient Outcomes

The MiQLab Bacterial and AMR Test offers significant values over traditional culture and sensitivity testing

**Improves
in-clinic
diagnostics**

**Elevates
AMR
Stewardship**

**Supports
One Health
initiative**



Common Bacterial Pathogens and Associated Infections

Pathogen	Infections
<i>Enterobacter</i> spp.	UTI, wound, and catheter-associated infections
<i>Enterococcus faecalis</i> <i>Enterococcus faecium</i>	UTI, otitis externa, pyoderma, cholangiohepatitis, pancreatitis, bacteremia, hepatic abscess, peritonitis, mastitis, endocarditis, wound infections, and disco spondylitis
<i>Escherichia coli</i>	UTI, pyometra, prostatitis, cholangitis, cholecystitis, bacteremia, endocarditis, bronchopneumonia, and pyothorax
<i>Klebsiella</i> spp.	UTI, pneumonia, abscesses, bacteremia, endocarditis, and post-operative SSTI
<i>Pasteurella</i> spp.	Respiratory infections, skin and wound infections
<i>Proteus</i> spp.	UTI, otitis externa, pyoderma, and wound infections
<i>Pseudomonas aeruginosa</i>	Respiratory infections, skin and wound infections, otitis externa, and conjunctivitis
<i>Staphylococcus</i> spp.	Pyoderma, otitis externa, UTI, wound and surgical site infections, bronchopneumonia, eye infections, bacteremia, osteomyelitis, and infections of body cavities
<i>Streptococcus</i> spp.	Pyoderma, pneumonia, endocarditis, necrotizing fasciitis, UTI, Streptococcal toxic shock syndrome, arthritis, osteomyelitis, meningoencephalitis, and cellulitis

Detectable Bacteria

<i>Escherichia coli</i>
<i>Enterobacter</i> spp.
<i>Enterococcus faecalis</i>
<i>Enterococcus faecium</i>
<i>Klebsiella</i> spp.
<i>Pasteurella</i> spp.
<i>Proteus</i> spp.
<i>Pseudomonas aeruginosa</i>
<i>Staphylococcus</i> spp.
<i>Streptococcus</i> spp.

AMR Markers

TEM, SHV, CMY, CTX-M-1/9, <i>mecA</i>	Beta-lactams
<i>erm</i> (A/B/C)	Lincosamides
<i>sul</i> 1/2/3	Sulfonamides
<i>dfr</i> (A1/A5/A7/A12/A14/A15/A17/G/K)	Trimethoprim
<i>tet</i> (A/B/C/D/G/J/K/L/M/O/S/38)	Tetracyclines

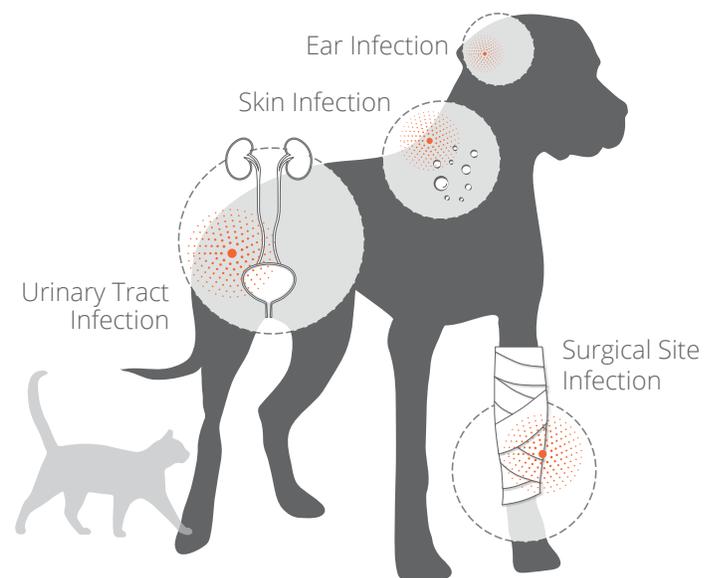
Sample Types

Fluids

- Urine
- Cerebrospinal fluid
- Synovial fluid
- Exudates
- Lavages

Swabs

- Wound/abscess
- Skin
- Ear
- Respiratory tract
- Body cavities



Contact your local sales representative for more information

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