



MiQLab™ for Veterinary Diagnostics

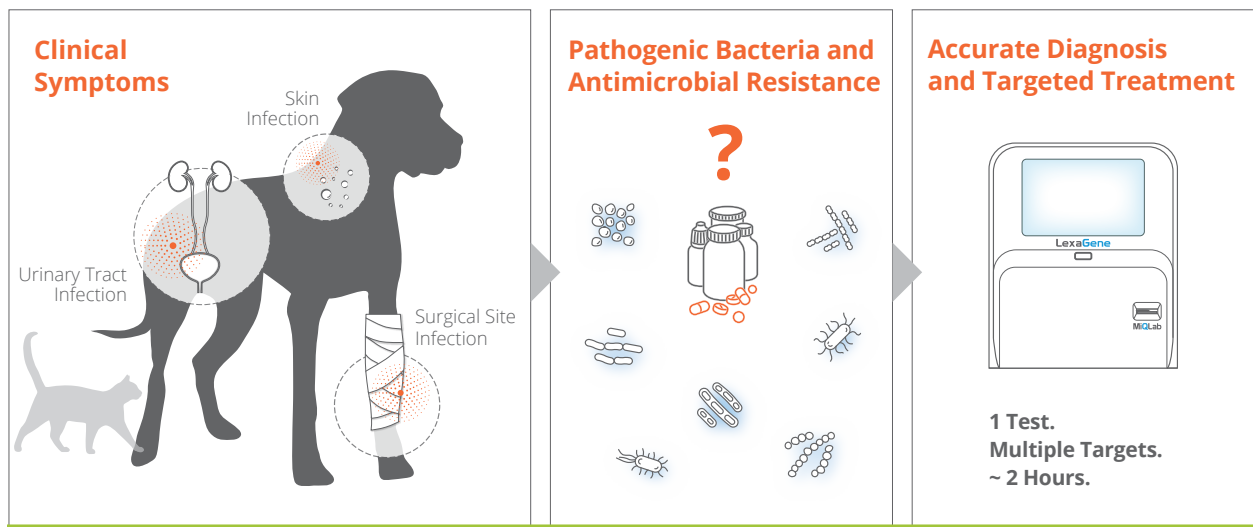
What is MiQLab?

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. It simultaneously detects 20 targets, including:

- 7 common bacterial pathogens
- 13 antimicrobial resistance markers



Comprehensive Coverage

Bacteria	AMR Markers		Significance
<i>E. coli</i>	CMY	OXA-48	13 molecular markers that signify resistance to methicillin, penicillins, cephalosporins, carbapenems, and vancomycin
<i>Enterobacter</i>	CTX-M-1	SHV	
<i>Enterococcus</i>	CTX-M-9	TEM	
<i>Klebsiella</i>	KPC	<i>vanA</i>	
<i>Proteus</i>	IMP	<i>vanB</i>	
<i>Staphylococcus</i>	<i>mecA</i>	VIM	
<i>Streptococcus</i>	NDM		

Sample Types

Fluids	Swabs
<ul style="list-style-type: none"> Urine Cerebrospinal fluid Synovial fluid Exudates Lavages 	<ul style="list-style-type: none"> Wound/abscess Skin Ear Respiratory tract Rectum Body cavities

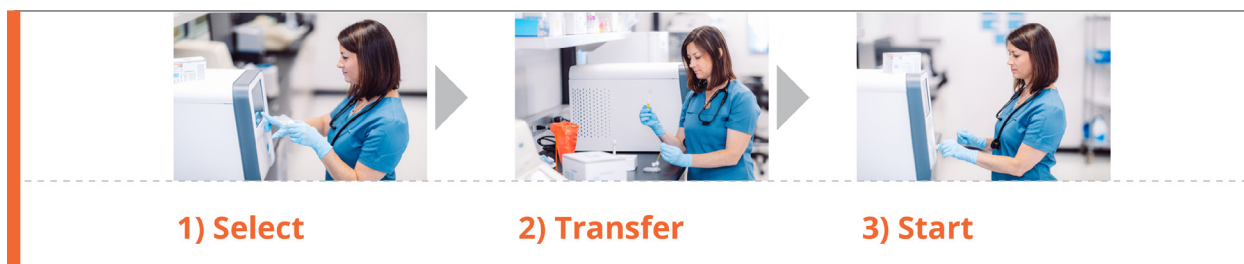


Better Patient Outcomes

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

- Identify the correct pathogen and its resistance mechanism within ~2 hrs versus days
- Provide patient-centered care with improved outcomes
- Enable more judicious and responsible use of antibiotics

Easy Workflow



Common Bacterial Pathogens and Associated Infections

Pathogen	Infections	Pathogen	Infections
<i>E. coli</i>	Urinary tract infection (UTI), pyometra, prostatitis, cholangitis, cholecystitis, bacteremia, endocarditis, bronchopneumonia, pyothorax	<i>Enterococcus</i>	UTI, otitis externa, pyoderma, cholangiohepatitis, pancreatitis, bacteremia, hepatic abscess, peritonitis, mastitis, endocarditis, wound infections, discospondylitis
<i>Staphylococcus</i>	Pyoderma, otitis externa, UTI, wound and surgical site infections, bronchopneumonia, eye infections, bacteremia, osteomyelitis, infections of body cavities	<i>Klebsiella</i>	UTI, pneumonia, abscesses, bacteremia, endocarditis, post-operative skin and soft tissue infections
<i>Streptococcus</i>	Pyoderma, pneumonia, endocarditis, necrotizing fasciitis, UTI, Streptococcal toxic shock syndrome, arthritis, osteomyelitis, meningococcal meningitis, cellulitis	<i>Enterobacter</i>	UTI, wound, catheter-associated infections
<i>Proteus</i>	UTI, otitis externa, pyoderma, wound infections		

Please contact your local sales representative for more information

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