



2018 animal health products overview

Meeting today's diagnostic needs and innovating for tomorrow's challenges

Bovine/ovine/caprine (ruminant)

Pathogen	ELISA	Real-time PCR	Other*
Abortive/reproductive pathogens			
<i>Anaplasma phagocytophilum</i>		•	
Border disease virus	•	•	
Bluetongue virus		•	
Bovine herpes virus type 1 (IBR)	•	•	
Bovine herpes virus type 4		•	
<i>Brucella abortus</i> and <i>melitensis</i>	•		•
Bovine viral diarrhea virus	•	•	
<i>Campylobacter fetus</i>		•	
<i>Campylobacter</i> spp.		•	
<i>Chlamydophila abortus</i>		•	
<i>Chlamydophila</i> spp.	•	•	
<i>Coxiella burnetii</i>	•	•	
<i>Leptospira hardjo</i>	•		
<i>Leptospira</i> spp.		•	
<i>Listeria monocytogenes</i>		•	
<i>Neospora caninum</i>	•	•	
<i>Salmonella</i> spp. and <i>S. enterica</i> spp.		•	
<i>Salmonella dublin</i> and <i>S. typhimurium</i>	•		
Schmallenberg virus		•	
<i>Toxoplasma gondii</i>	•	•	
<i>Tritrichomonas foetus</i>		•	

Pathogen	ELISA	Real-time PCR	Other*
Bovine mastitis			
<i>Corynebacterium bovis</i>		•	
<i>Enterococcus</i> spp. (including <i>E. faecalis</i> and <i>E. faecium</i>)		•	
<i>Escherichia coli</i>		•	
<i>Klebsiella oxytoca</i> and/or <i>K. pneumoniae</i>		•	
<i>Mycoplasma alkalescens</i>		•	
<i>Mycoplasma bovigenitalium</i>		•	
<i>Mycoplasma bovis</i>		•	
<i>Mycoplasma californicum</i>		•	
<i>Mycoplasma canadense</i>		•	
<i>Mycoplasma</i> spp.		•	
<i>Prototheca</i> spp.		•	

Bovine/ovine/caprine ruminant (continued)

Pathogen	ELISA	Real-time PCR	Other*
Bovine mastitis (continued)			
<i>Serratia marcescens</i>		•	
Staphylococcal β -lactamase gene (penicillin resistance gene)		•	
<i>Staphylococcus aureus</i>		•	
<i>Streptococcus agalactiae</i>		•	
<i>Streptococcus dysgalactiae</i>		•	
<i>Streptococcus uberis</i>		•	
<i>Trueperella pyogenes</i> and/or <i>Peptoniphilus indolicus</i>		•	
Yeast		•	
Intestinal pathogens			
Coronavirus (bovine coronavirus)	•	•	
<i>Cryptosporidium</i>	•		
<i>E. coli</i> F55 (K99)	•		
<i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> (MAP)	•	•	
Rotavirus		•	
Respiratory pathogens			
Bovine respiratory syncytial virus (BRV)	•	•	
Epizootic hemorrhagic disease virus (EHDV)	•	•	
<i>Histophilus somni</i>		•	
<i>Mannheimia haemolytica</i>		•	
<i>Mycoplasma agalactiae</i>	•	•	
<i>Mycoplasma bovis</i>		•	
Parainfluenza type 3 (PI3) virus	•	•	
<i>Pasteurella multocida</i>		•	
Bovine tuberculosis			
<i>Mycobacterium tuberculosis</i> complex	•	•	•
Bovine spongiform encephalopathy (BSE)			
Prions			•
Foot-and-mouth disease			
Foot-and-mouth disease virus (FMDV)	•		
Other pathogens			
Caprine arthritis encephalitis virus (CAEV)	•		
Maedi visna virus	•		
Peste des petits ruminants virus		•	

Porcine

Pathogen	ELISA	Real-time PCR	Other*
Respiratory pathogens			
<i>Mycoplasma hyopneumoniae</i>		•	
Porcine circovirus type 2 (PCV2)		•	
Porcine reproductive and respiratory disease virus (PRRSV), NA and EU strains	•	•	
Swine influenza virus (SIV) type A and genotypes	•	•	
Intestinal pathogens			
<i>Brachyspira hyodysenteriae</i>		•	
<i>Lawsonia intracellularis</i>		•	
Porcine epidemic diarrhea virus (PEDV)		•	
Swine delta coronavirus (SDCoV)		•	
Transmissible gastroenteritis virus (TGEV)		•	
Foot-and-mouth disease			
Foot-and-mouth disease virus (FMDV)	•		
Classical swine fever			
Classical swine fever virus (CSFV)	•	•	
Aujeszky's disease or pseudorabies			
Pseudorabies virus gB and gE	•		
Other pathogens			
African swine fever virus (ASFV)		•	
Porcine parvovirus	•	•	
Swine vesicular disease virus (SVDV)	•		
Meat harvest			
Hepatitis E virus	•		
<i>Mycobacterium avium</i> subsp. <i>avium</i>	•		
<i>Salmonella</i> serogroups B, C1, and D	•		
<i>Toxoplasma gondii</i>	•		
<i>Trichinella</i> spp.	•		•

Aquaculture

Pathogen	ELISA	Real-time PCR	Other*
Infectious hypodermal and hematopoietic necrosis virus (IHHNV)		•	
Infectious myonecrosis virus (IMNV)		•	
Taura syndrome virus (TSV)		•	
Yellow head disease virus (YHV)		•	
White spot syndrome virus (WSSV)		•	
Infectious salmon anaemia virus		•	
Koi herpes virus		•	
Infectious hematopoietic necrosis virus		•	
Viral hemorrhagic septicemia virus		•	
Viral nervous necrosis virus		•	

Multipathogen detection tests for ruminants

Pathogen	Real-time		
	ELISA	PCR	Other*
Rotavirus, coronavirus, <i>E. coli</i> F5 (K99), <i>Cryptosporidium</i> (Applied Biosystems™ PrioCHECK™ Calf Enteritis Ag Feces Kit)	•		
<i>Anaplasma phagocytophilum</i> , bovine herpes virus type 4, <i>Campylobacter fetus</i> , <i>Chlamydophila</i> spp., <i>Coxiella burnetii</i> , <i>Listeria monocytogenes</i> , pathogenic <i>Leptospira</i> spp.,** <i>Salmonella</i> spp. (Applied Biosystems™ VetMAX™ Ruminant Abortion Screening Kit Multiplex Detection)		•	
<i>Histophilus somni</i> , <i>Mycoplasma bovis</i> , bovine coronavirus, bovine respiratory syncytial virus, bovine parainfluenza 3 virus, <i>Pasteurella multocida</i> , <i>Mannheimia haemolytica</i> (Applied Biosystems™ VetMAX™ Ruminant Respiratory Screening Kit Multiplex Detection)		•	
<i>Mycoplasma bovis</i> , <i>Staphylococcus aureus</i> , <i>Streptococcus agalactiae</i> , <i>Streptococcus uberis</i> (Bovine mastitis: Applied Biosystems™ VetMAX™ MastiType Micro4 Kit)		•	
<i>Mycoplasma</i> spp., <i>Mycoplasma alkalescens</i> , <i>Mycoplasma bovis</i> , <i>Mycoplasma bovigenitalium</i> , <i>Mycoplasma canadense</i> , <i>Mycoplasma californicum</i> , <i>Staphylococcus aureus</i> , <i>Streptococcus agalactiae</i> (Bovine mastitis: Applied Biosystems™ VetMAX™ MastiType Myco8 Kit)		•	
<i>Staphylococcus aureus</i> , <i>Staphylococcus</i> spp., <i>Streptococcus agalactiae</i> , <i>Streptococcus dysgalactiae</i> , <i>Streptococcus uberis</i> , <i>Escherichia coli</i> , <i>Enterococcus</i> spp. (including <i>E. faecalis</i> and <i>E. faecium</i>), <i>Klebsiella oxytoca</i> (and/or <i>K. pneumoniae</i>), <i>Serratia marcescens</i> , <i>Corynebacterium bovis</i> , <i>Trueperella pyogenes</i> and/or <i>Peptoniphilus indolicus</i> , staphylococcal β -lactamase gene (penicillin resistance gene), <i>Mycoplasma bovis</i> , <i>Mycoplasma</i> spp., yeast, <i>Prototheca</i> spp. (Bovine mastitis: Applied Biosystems™ VetMAX™ MastiType Multi Kit)		•	

Equine

Pathogen	Real-time		
	ELISA	PCR	Other*
Equine arteritis virus		•	
Equine influenza virus (EIV)		•	
West Nile virus		•	

Avian

Pathogen	Real-time		
	ELISA	PCR	Other*
Avian mycoplasmas (<i>Mycoplasma gallisepticum</i> and <i>Mycoplasma synoviae</i>)		•	
Avian influenza type A and genotypes H5, H7		•	
Avian metapneumovirus		•	
<i>Mycoplasma iowae</i>		•	
Newcastle disease (NDV)		•	
West Nile virus		•	

Feline

Pathogen	Real-time		
	ELISA	PCR	Other*
Feline coronavirus (FCoV)		•	

Multispecies

Pathogen	Real-time		
	ELISA	PCR	Other*
<i>Anaplasma phagocytophilum</i>		•	
<i>Campylobacter</i> spp.		•	
<i>Chlamydophila</i> spp.		•	
Pathogenic <i>Leptospira</i> spp.**		•	
<i>Salmonella enterica</i> spp.		•	

* Other test formats include lateral flow immunochromatographic, agglutination, and western blot assays.

** The Applied Biosystems™ VetMAX™ PathoLept™ Real-Time PCR Kit is a multispecies kit designed to detect 25 pathogenic *Leptospira* strains.

Ordering information

Product	Quantity	Cat. No.
Sample collection		
GenoTube Livestock Swabs	1 tube	9062010
Master mixes		
AgPath-ID One-Step RT-PCR Reagents	100 reactions	AM1005
	500 reactions	4387424
	1,000 reactions	4387391
Path-ID qPCR Master Mix	100 reactions	4388643
	500 reactions	4388644
VetMAX-Plus qPCR Master Mix	100 reactions	4415327
VetMAX-Plus One-Step RT-PCR Kit	100 reactions	4415328
VetMAX-Plus Multiplex One-Step RT-PCR Kit	100 reactions	4415330
Path-ID Multiplex One-Step RT-PCR Kit	100 reactions	4442135
	500 reactions	4442136
	1,000 reactions	4442137
Sample preparation		
MagMAX CORE Nucleic Acid Purification Kit	100 reactions	A32700
	500 reactions	A32702
MagMAX CORE Mechanical Lysis Module	100 reactions	A32836
MagMAX CORE Lysis Solution	50 mL	A32837
MagMAX CORE Nucleic Acid Purification Kit + Mechanical Lysis Module	100 reactions	A37487
MagMAX CORE Nucleic Acid Purification Kit + Mechanical Lysis Module + Glass Microbeads	100 reactions	A37488
MagMAX CORE Glass Microbeads	100 reactions	A37489
MagMAX CORE Nucleic Acid Purification Kit with Mastitis & Panbacteria Module	100 reactions	A40289

Product	Quantity	Cat. No.
Sample preparation (continued)		
MagMAX-96 AI/ND Viral RNA Isolation Kit	384 reactions	AM1835
MagMAX Total Nucleic Acid Isolation Kit	100 reactions	AM1840
MagMAX-96 Viral RNA Isolation Kit	50 reactions	AM1939
	5 x 96 reactions	AMB18365
VetMAX Ear Notch Fast Lysis Kit	200 tests	FLK
Carrier RNA	500 µL	4382878
MagMAX Pathogen RNA/DNA Kit	480 reactions	4462359
PK Buffer for MagMAX-96 DNA Multi-Sample Kit	96 reactions	4489111
Internal positive controls (IPCs)		
PBS, 1X	500 mL	PBS
VetMAX Xeno Internal Positive Control RNA	100 reactions	A29763
	500 reactions	A29761
VetMAX Xeno Internal Positive Control DNA	100 reactions	A29764
	500 reactions	A29762
VetMAX Xeno Internal Positive Control—VIC Assay	100 reactions	A29765
	500 reactions	A29767
VetMAX Xeno Internal Positive Control—LIZ Assay	100 reactions	A29766
	500 reactions	A29768
FAS training		
One-Day Training, On-Site, Animal Health, EMEA	1 day	A25784
One-Day Training, Thermo Fisher Site, Animal Health, EMEA	1 day	A25785
Implementation Programme, Animal Health, EMEA	4 days	A25786

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