



# 2018 animal health products overview

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

## Bovine/ovine/caprine

Pathogen	ELISA	Real-time PCR	Other*
Bluetongue virus (all BTV genotypes kit and European BTV typing kits)		•	
Bovine herpes virus type 1 (IBR)	•	•	
Bovine herpes virus type 4		•	
Bovine respiratory syncytial virus (BRSV)	•	•	
<i>Brucella</i> spp.	•		•
Bovine spongiform encephalopathy (BSE)			•
Bovine viral diarrhea virus (BVDV)	•	•	
Border disease virus (BDV)	•	•	
<i>Campylobacter fetus</i>		•	
<i>Campylobacter</i> spp.		•	
<i>Chlamydophila abortus</i>		•	
<i>Chlamydophila</i> spp.	•	•	
Corona virus (BCV)	•	•	
<i>Coxiella burnetii</i> (Q fever)	•	•	
<i>Cryptosporidium</i>	•		
Epizootic hemorrhagic disease virus (EHDV)	•	•	
<i>Histophilus somni</i>		•	
Foot-and-mouth disease virus (FMDV)	•		
<i>Leptospira hardjo</i>	•		

Pathogen	ELISA	Real-time PCR	Other*
<i>Listeria monocytogenes</i>		•	
Maedi visna virus-CAEV	•		
<i>Mycobacterium paratuberculosis</i>	•	•	
<i>Mycobacterium tuberculosis</i> complex	•	•	•
<i>Mycoplasma agalactiae</i>	•	•	
<i>Mycoplasma bovis</i>	•	•	
<i>Neospora caninum</i>	•	•	
<i>Pasteurella multocida</i> and <i>Mannheimia haemolytica</i>		•	
Pathogenic <i>Leptospira</i> spp.**		•	
Peste des petits ruminants		•	
PI3 (Para-influenza type III)	•	•	
Rotavirus		•	
<i>Salmonella</i> spp.	•	•	
Schmallenberg virus		•	
<i>Toxoplasma gondii</i>		•	
<i>Trichostrongylus axei</i>		•	

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

## Porcine

Pathogen	ELISA	Real-time PCR	Other*
African swine fever		•	
<i>Brachyspira hyodysenteriae</i>		•	
Classical swine fever virus (CSFV)	•	•	
Foot-and-mouth disease virus (FMDV)	•		
Hepatitis E virus	•		
<i>Lawsonia intracellularis</i>		•	
<i>Mycobacterium avium avium</i>	•		
<i>Mycoplasma hyopneumoniae</i>		•	
Porcine circovirus type 2 (PCV2)		•	
Porcine parvovirus	•	•	
Porcine epidemic diarrhea virus (PEDV)		•	
Porcine reproductive and respiratory disease virus (PRRSV), NA and EU strains	•	•	
Pseudorabies virus gB and gE (Aujeszky's)	•		
<i>Salmonella</i> spp.	•	•	
Swine influenza virus (SIV) type A and genotypes H1 and N1	•	•	
Swine vesicular disease virus (SVDV)	•		
<i>Toxoplasma gondii</i>	•		
<i>Trichinella</i> spp.	•		•
Swine delta coronavirus (SDCoV)		•	
Transmissible gastroenteritis virus (TGEV)		•	

## Avian

Pathogen	ELISA	Real-time 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)		•	

## Multipathogens detection for ruminants

Pathogen	ELISA	Real-time PCR	Other*
Rotavirus, coronavirus, <i>E. coli</i> F5 (K99), <i>cryptosporidium</i> (bovine neonatal gastroenteritis)	•		
<i>Anaplasma phagocytophilum</i> , bovine herpes virus type 4, <i>Campylobacter foetus</i> , <i>Chlamydophila</i> spp., <i>Coxiella burnetii</i> , <i>Listeria monocytogenes</i> , pathogenic <i>Leptospira</i> spp.,** <i>Salmonella</i> spp. (abortion panel)		•	
<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> (respiratory panel)		•	

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

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

## Equine

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

## 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		•	

## Multispecies

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

## Ordering information

Sample collection	Quantity	Cat. No.
GenoTube Livestock	1 tube	9062010
Master mixes	Quantity	Cat. No.
AgPath-ID One-Step RT-PCR Reagents	100 reactions	AM1005
AgPath-ID One-Step RT-PCR Reagents	500 reactions	4387424
AgPath-ID One-Step RT-PCR Reagents	1,000 reactions	4387391
Path-ID qPCR Master Mix	100 reactions	4388643
Path-ID qPCR Master Mix	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
Path-ID Multiplex One-Step RT-PCR Kit	500 reactions	4442136
Path-ID Multiplex One-Step RT-PCR Kit	1,000 reactions	4442137
Sample preparation	Quantity	Cat. No.
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-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
FG, 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
PBS 1X	500 mL	PBS

**Ordering information** (continued)

<b>Internal positive controls (IPCs)</b>	<b>Quantity</b>	<b>Cat. No.</b>
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
<b>FAS training</b>	<b>Quantity</b>	<b>Cat. No.</b>
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

Find out more at [thermofisher.com/animalhealth](http://thermofisher.com/animalhealth)