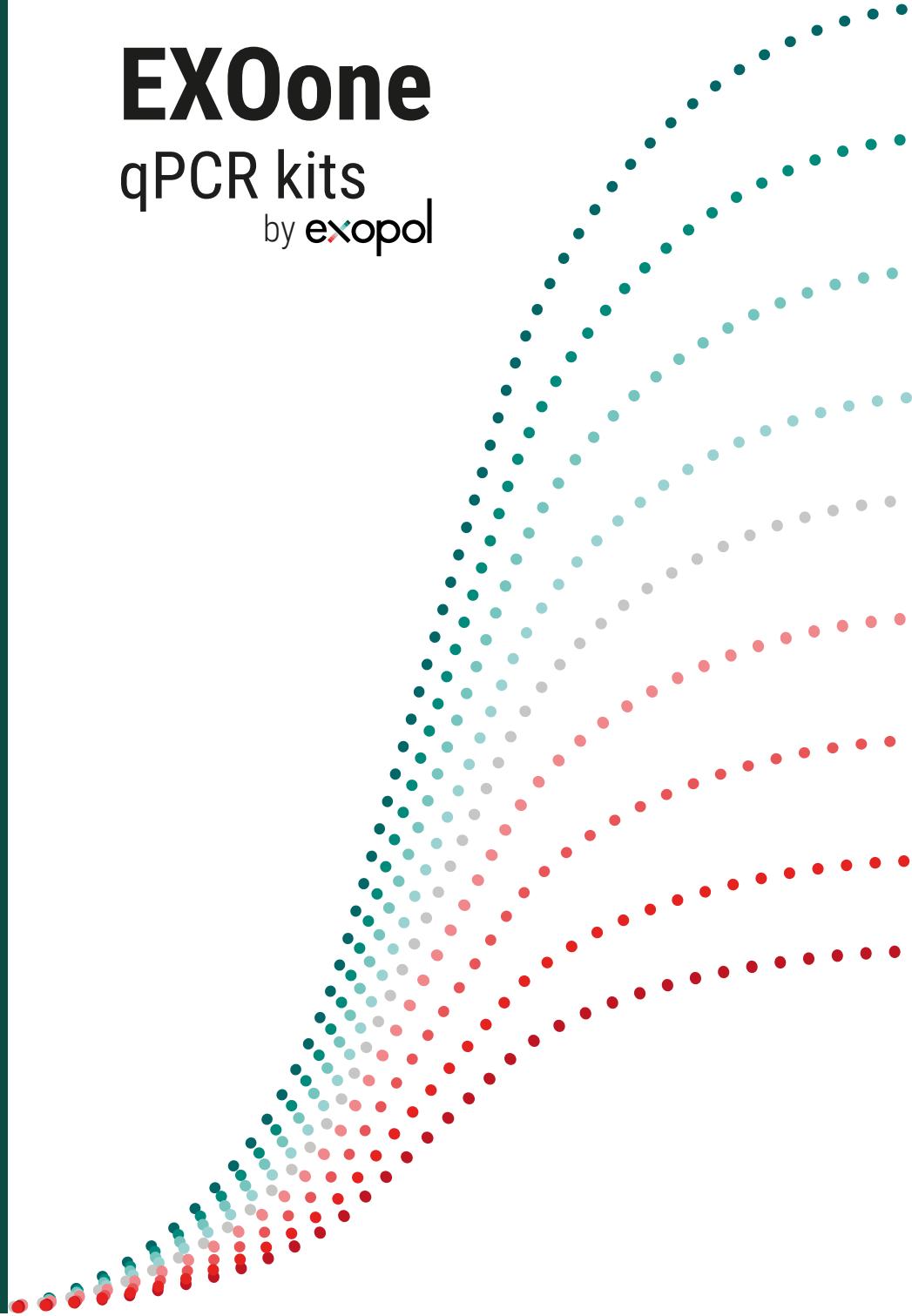


EXOone

qPCR kits

by exopol



our characteristics

✓ COMPLETE VALIDATION

Validated with reference or vaccine strains and/or field isolates. Evaluated against samples of related pathogens and/or reference strains. Continually reviewed (routinely used by Exopol's diagnostic department).

✓ ENDOGENOUS CONTROL DETECTION (EC)

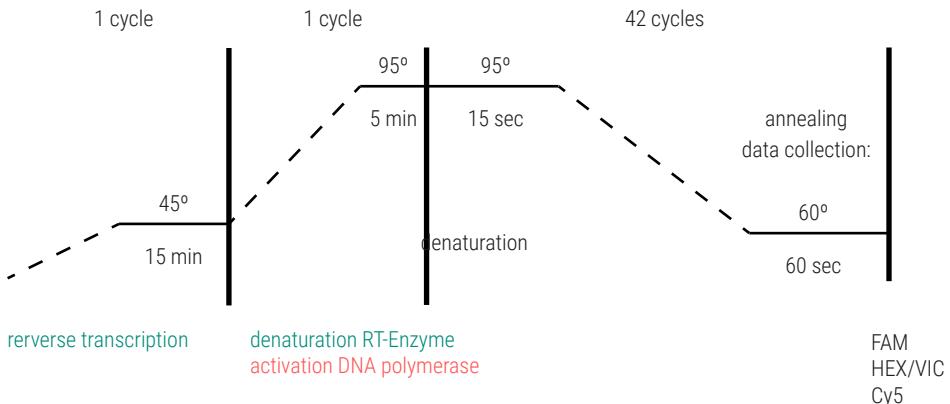
To avoid false negative results due to sampling error, acid nucleic extraction failure, PCR amplification failure or presence of PCR inhibitors.

✓ QUANTIFIED STANDARD SYNTHETIC DNA

A synthetic positive control with a known copy number is provided to perform absolute quantification by means of a standard curve: (5×10^5 copies/reaction) --> Cq 21 ± 2 .

✓ SAME THERMAL PROFILE

DNA and RNA pathogen detection in the same thermal cycler run.



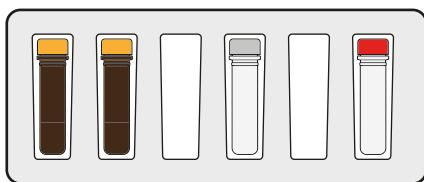
oneMIX

Ready to use: only thaw and dispense 15 µL.

No sensitivity loss after thaw/freeze cycles.

Pathogen and EC detected in the same well.

Shipment conditions: < -18°C.



- Pathogen + EC + Master Mix

- Negative control

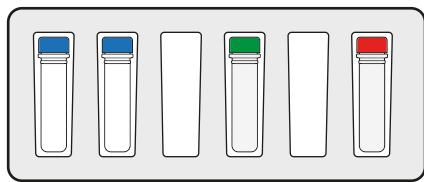
- Positive control

BASIC

Master Mix should be acquired separately.

The required reactions are prepared each time.

Shipment conditions: room temperature.



- Pathogen detection

- Negative control

- Positive control

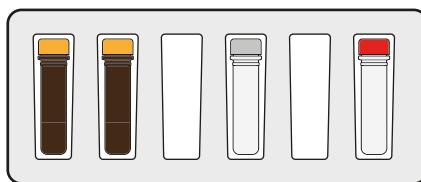
MULTIPLEX

Only available in oneMIX format

Up to 3 targets per well --> less cost

Channels needed: FAM / HEX or VIC / Cy5

Shipment conditions: < -18°C



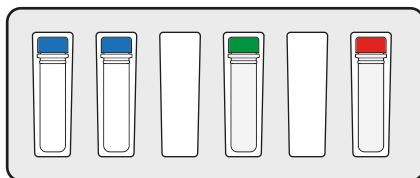
- Pathogen/Target + EC + Master Mix
- Negative control
- Positive control

BASIC+

Master Mix should be acquired separately

Pathogen and EC detected in the same well

Shipment conditions: room temperature



- Pathogen + EC detection
- Negative control
- Positive control

targeting all species



CATTLE



SMALL RUMINANTS



RABBITS



AQUACULTURE



POULTRY



SWINE



EQUINE



PETS



EXOone

qPCR kits

PORTFOLIO

The reactions or the number of kits designed may vary. We recommend you to visit the qPCR kits section of our website (www.exopol.com) to find our updated offer.



REF	EXOne qPCR kits	BASIC	BASIC +	oneMIX
		NUMBER OF AVAILABLE REACTIONS		
APPL	<i>Actinobacillus pleuropneumoniae</i>	100	100	50, 100
AP01	<i>A. pleuropneumoniae</i> serotype 1	100		100
AP02	<i>A. pleuropneumoniae</i> serotype 2	100		100
AP03	<i>A. pleuropneumoniae</i> serotype 3	100		100
AP04	<i>A. pleuropneumoniae</i> serotype 4	100		100
AP05	<i>A. pleuropneumoniae</i> serotype 5	100		100
AP06	<i>A. pleuropneumoniae</i> serotype 6	100		100
AP07	<i>A. pleuropneumoniae</i> serotype 7	100		100
AP08	<i>A. pleuropneumoniae</i> serotype 8	100		100
AP09	<i>A. pleuropneumoniae</i> serotype 9-11	100		100
AP10	<i>A. pleuropneumoniae</i> serotype 10	100		100
AP12	<i>A. pleuropneumoniae</i> serotype 12	100		100
AP13	<i>A. pleuropneumoniae</i> serotype 13	100		100
AP14	<i>A. pleuropneumoniae</i> serotype 14	100		100
AP15	<i>A. pleuropneumoniae</i> serotype 15	100		100
AP16	<i>A. pleuropneumoniae</i> serotype 16	100		100
AP17	<i>A. pleuropneumoniae</i> serotype 17	100		100
AP18	<i>A. pleuropneumoniae</i> serotype 18	100		100
AP19	<i>A. pleuropneumoniae</i> serotype 19	100		100
ASUI	<i>Actinobacillus suis</i>	100	100	50, 100
AHYA	<i>Aeromonas hydrophila</i>			50, 100
ASAL	<i>Aeromonas salmonicida</i>			50, 100
AMDV	AMDV	100	100	50, 100
AMAR	<i>Anaplasma marginale</i>	100	100	50, 100
AOVI	<i>Anaplasma ovis</i>	100	100	50, 100
APHA	<i>Anaplasma phagocytophilum</i>	100	100	50, 100
ANSP	<i>Anaplasma</i> spp.	100	100	50, 100
APPV	Atypical Porcine Pestivirus	100	100	50, 100
ACOV	Avian Coronavirus (IBV & TuCV)	100	100	50, 100
D181	Avian Coronavirus variant D181	100		50, 100
NCDV	Avian Paramyxovirus 1			50, 100
AVIP	<i>Avibacterium paragallinarum</i>	100	100	50, 100

REF	EXOone qPCR kits	BASIC	BASIC +	oneMIX
		NUMBER OF AVAILABLE REACTIONS		
BBIG	Babesia bigemina	100	100	50, 100
BBOV	Babesia bovis			50, 100
BCAB	Babesia caballi			50, 100
BPET	Babesia spp. pets	100	100	50, 100
BFTX	Bacteroides fragilis enterotoxin	100		50, 100
BHEN	Bartonella henseleae	100	100	50, 100
BART	Bartonella spp.	100		50, 100
BESN	Besnoitia besnoiti	100	100	50, 100
BIBE	Bibersteinia trehalosi	100	100	50, 100
BHV1	BoHV-1	100	100	50, 100
BHV2	BoHV-2	100	100	50, 100
BHV4	BoHV-4	100	100	50, 100
BIUM	Bordetella avium			50, 100
BBRO	Bordetella bronchiseptica	100	100	50, 100
BBSL	Borrelia burgdorferi	100	100	50, 100
BCoV	Bovine Coronavirus	100	100	50, 100
NEBO	Bovine Nebovirus	100	100	50, 100
PI3V	Bovine Parainfluenza 3	100	100	50, 100
BoTV	Bovine Torovirus	100	100	50, 100
BALV	Brachyspira alvinipulli	100	100	50, 100
BHAM	Brachyspira hampsonii	100	100	50, 100
BHYO	Brachyspira hyodysenteriae	100	100	50, 100
BINO	Brachyspira innocens	100	100	50, 100
BINT	Brachyspira intermedia	100	100	50, 100
BPIL	Brachyspira pilosicoli	100	100	50, 100
BRSP	Brachyspira spp.	100	100	50, 100
XBRA	B. hyodysenteriae + B. pilosicoli			50, 100
BRSV	BRSV	100	100	50, 100
BABO	Brucella abortus			50, 100
BRCN	Brucella canis			50, 100
BMEL	Brucella melitensis			50, 100
BOVI	Brucella ovis			50, 100

REF	EXOne qPCR kits	BASIC	BASIC +	oneMIX
		NUMBER OF AVAILABLE REACTIONS		
BSUI	Brucella suis		50, 100	
BRUC	Brucella spp.	100	100	50, 100
PRUM	BVDV - BDV	100	100	50, 100
BVD1	BVDV 1 (Pestivirus A)	100	100	50, 100
BVD2	BVDV 2 (Pestivirus B)	100	100	50, 100
TCDA	C. difficile A toxin		50, 100	
TCDB	C. difficile B toxin	100	100	50, 100
CPTA	C. perfringens alpha toxin	100	100	50, 100
CPTB	C. perfringens beta toxin	100		50, 100
CPB2	C. perfringens beta-2 toxin	100		50, 100
CPEX	C. perfringens enterotoxin	100		50, 100
CPTE	C. perfringens epsilon toxin	100		50, 100
CPTI	C. perfringens iota toxin	100		50, 100
XCP2	C. perfringens $\text{l} + \beta_2 + \text{enterotoxin}$		50, 100	
XCP1	C. perfringens $\alpha + \beta + \epsilon$		50, 100	
CCOL	Campylobacter coli	100	100	50, 100
CFET	Campylobacter fetus	100	100	50, 100
XFER	C. fetus + T. foetus		50, 100	
CHEP	Campylobacter hepaticus	100	100	50, 100
CJEJ	Campylobacter jejuni	100	100	50, 100
CPYL	Campylobacter spp.	100	100	50, 100
CAV1	Canine Adenovirus type 1	100	100	50, 100
CAV2	Canine Adenovirus type 2	100	100	50, 100
CaCV	Canine Circovirus	100	100	50, 100
CCOV	Canine Coronavirus	100	100	50, 100
CaDV	Canine Distemper virus	100	100	50, 100
CHV1	Canine Herpesvirus	100	100	50, 100
CPIV	Canine Parainfluenza virus	100	100	50, 100
CaPV	Canine Parvovirus 2	100	100	50, 100
CABO	Chlamydia abortus	100	100	50, 100
CHLA	Chlamydiaceae	100	100	50, 100
CBOT	Clostridium botulinum		50, 100	

REF	EXOone qPCR kits	BASIC	BASIC +	oneMIX
		NUMBER OF AVAILABLE REACTIONS		
CHAV	Clostridium chauvoei	100	100	50, 100
CHLY	Clostridium haemolyticum	100	100	50, 100
CNOV	Clostridium novyi type A and B	100	100	50, 100
CSEP	Clostridium septicum	100	100	50, 100
CSPA	Clostridium spiroforme			50, 100
CORY	Corynebacterium pseudotuberculosis	100	100	50, 100
COXB	Coxiella burnetii	100	100	50, 100
CPAR	Cryptosporidium parvum	100	100	50, 100
CRYP	Cryptosporidium spp.	100	100	50, 100
ISUI	Cystoisospora suis	100	100	50, 100
CYFE	Cytauxzoon felis			50, 100
CYTX	Cytauxzoon spp.			50, 100
DINO	Dichelobacter nodosus			50, 100
DINA	Dichelobacter nodosus serotype A			100
DINB	Dichelobacter nodosus serotype B			100
DINC	Dichelobacter nodosus serotype C			100
DIND	Dichelobacter nodosus serotype D			100
DINE	Dichelobacter nodosus serotype E			100
DINF	Dichelobacter nodosus serotype F			100
DING	Dichelobacter nodosus serotype G			100
DINH	Dichelobacter nodosus serotype H			100
DINI	Dichelobacter nodosus serotype I			100
DINM	Dichelobacter nodosus serotype M			100
DIMM	Dirofilaria immitis	100		50, 100
DREP	Dirofilaria repens	100		50, 100
DREB	Dreissena polymorpha	100		50, 100
EEAE	E. coli eae gene	100	100	50, 100
ECCO	E. coli internal reference	100		50, 100
AIDA	E. coli virulence factor AIDA	100	100	50, 100
EAST	E. coli virulence factor EAST	100	100	50, 100
EF04	E. coli virulence factor F4 (K88)	100		50, 100
EF05	E. coli virulence factor F5 (K99)	100		50, 100

REF	EXOne qPCR kits	BASIC	BASIC +	oneMIX
		NUMBER OF AVAILABLE REACTIONS		
EF06	E. coli virulence factor F6 (987P)	100	50, 100	
EF17	E. coli virulence factor F17	100	50, 100	
EF18	E. coli virulence factor F18 (F107)	100	100	50, 100
EF41	E. coli virulence factor F41	100	50, 100	
EFLT	E. coli virulence factor LT	100	50, 100	
ESTA	E. coli virulence factor STa	100	100	50, 100
ESTB	E. coli virulence factor STb	100	50, 100	
STX1	E. coli virulence factor Stx1	100	100	50, 100
STX2	E. coli virulence factor Stx2	100	50, 100	
EX2E	E. coli virulence factor Stx2e	100	50, 100	
XADH	E. coli AIDA + EAST		50, 100	
XEDE	E. coli F18 + STX2E + EC		50, 100	
XFM2	E. coli F4 + F18 + EC		50, 100	
XFM1	E. coli F5 + F6 + F41		50, 100	
XTOX	E. coli STa + STb + LT		50, 100	
XSHI	E. coli STX1 + STX2 + EC		50, 100	
XAP5	APEC iutA, ompT, tsh		50, 100	
XAP6	APEC iucD, papC, cvi/cva		50, 100	
XAP7	APEC irp2, hlyF		50, 100	
EHCA	Ehrlichia canis	100	100	50, 100
EHRL	Ehrlichia spp.	100	100	50, 100
EACE	Eimeria acervulina	100	100	50, 100
EBRU	Eimeria brunetti	100	100	50, 100
EMAG	Eimeria magna	100	100	50, 100
EMAX	Eimeria maxima	100	100	50, 100
EMIT	Eimeria mitis	100	100	50, 100
ENEC	Eimeria necatrix	100	100	50, 100
EPRA	Eimeria praecox	100	100	50, 100
ETEN	Eimeria tenella	100	100	50, 100
EIME	Eimeria spp.	100	100	50, 100
XPO3	E. acervulina + E. praecox		50, 100	
XPO2	E. maxima + E. mitis		50, 100	

REF	EXOone qPCR kits	BASIC	BASIC +	oneMIX
		NUMBER OF AVAILABLE REACTIONS		
XPO1	E. tenella + E. necatrix + E. brunetti			50, 100
ECUN	Encephalitozoon cuniculi			50, 100
EHYR	Enterococcus hirae	100	100	50, 100
EHV1	Equine Herpesvirus 1	100	100	50, 100
EHV2	Equine Herpesvirus 2	100	100	50, 100
EHV4	Equine Herpesvirus 4	100	100	50, 100
EHV5	Equine Herpesvirus 5			50, 100
XEH1	EHV1 + EHV4			50, 100
ERUS	Erysipelothrix rhusiopathiae	100	100	50, 100
FHEP	Fasciola hepatica			50, 100
FeCV	Feline Calicivirus	100	100	50, 100
FCoV	Feline Coronavirus	100	100	50, 100
FHV1	Feline Herpesvirus	100	100	50, 100
FelV	Feline Immunodeficiency virus	100	100	50, 100
FeLV	Feline Leukemia Virus	100	100	50, 100
FPLV	Feline Panleukopenia virus	100	100	50, 100
FPSY	Flavobacterium psychrophilum			50, 100
FPOX	Fowlpox virus			50, 100
FUSO	Fusobacterium necrophorus			50, 100
HPSU	Glaesserella parasuis	100	100	50, 100
HP01	G. parasuis serotype 1/2/11	100		100
HP02	G. parasuis serotype 2	100		100
HP03	G. parasuis serotype 3	100		100
HP04	G. parasuis serotype 4	100		100
HP05	G. parasuis serotype 5/12	100		100
HP06	G. parasuis serotype 6	100		100
HP07	G. parasuis serotype 7	100		100
HP08	G. parasuis serotype 8	100		100
HP09	G. parasuis serotype 9	100		100
HP10	G. parasuis serotype 10	100		100
HP11	G. parasuis serotype 11	100		100
HP13	G. parasuis serotype 13	100		100

REF	EXOne qPCR kits	BASIC	BASIC +	oneMIX
		NUMBER OF AVAILABLE REACTIONS		
HP14	G. parasuis serotype 14	100	100	
HP15	G. parasuis serotype 15	100	100	
XHPa	G. parasuis serotypes 1/2/11 + 2 + 11		100	
XHPb	G. parasuis serotypes 3 + 6 + 14		100	
XHPc	G. parasuis serotypes 4 + 5/12 + 13		100	
XHPd	G. parasuis serotypes 7 + 9		100	
XHPe	G. parasuis serotypes 8 + 10		100	
XHPv	G. parasuis virulent/non virulent		100	
GINT	Giardia intestinalis	100	100	50, 100
HAEM	Haemoplasma spp.	100		50, 100
HEPE	Hepatitis E virus	100		50, 100
HCAN	Hepatozoon canis	100		50, 100
HMEL	Histomonas meleagridis			50, 100
HSOM	Histophilus somni	100	100	50, 100
FADV	Inclusion body hepatitis (Adenovirus I)			50, 100
ILTV	Infectious laryngotracheitis	100		50, 100
INFA	Influenza A virus	100	100	50, 100
INFd	Influenza D virus	100		50, 100
KPNE	Klebsiella pneumoniae	100	100	50, 100
LAWS	Lawsonia intracellularis	100	100	50, 100
LEIS	Leishmania spp.	100	100	50, 100
LKTX	Leukotoxin Mannheimia haemolytica			50, 100
LMON	Listeria monocytogenes	100	100	50, 100
MANN	Mannheimia haemolytica	100	100	50, 100
MAN1	M. haemolytica serotype A1	100		100
MAN2	M. haemolytica serotype A2	100		100
MAN6	M. haemolytica serotype A6	100		100
XMAN	M. haemolytica serotypes A1+A2+A6	100		
SRLV	Maedi Visna - CAEV	100		50, 100
MREK	Marek (MDV)	100	100	50, 100
MRXB	Moraxella bovis	100		50, 100
MBUC	Moraxella bovoculi	100		50, 100

REF	EXOone qPCR kits	BASIC	BASIC +	oneMIX
		NUMBER OF AVAILABLE REACTIONS		
MAVC	Mycobacterium avium complex	100	100	
MYCB	Mycobacterium bovis/caprae	100	100	50, 100
MTBC	Mycobacterium tuberculosis complex	100	100	50, 100
MYAG	Mycoplasma agalactiae	100	100	50, 100
MBOV	Mycoplasma bovis	100	100	50, 100
MULI	Mycoplasma bovoculi			50, 100
MGSP	Mycoplasma gallisepticum	100	100	50, 100
MHFE	Mycoplasma haemofelis			50, 100
MHYP	Mycoplasma hyopneumoniae	100	100	50, 100
MHYR	Mycoplasma hyorhinis	100	100	50, 100
MHYS	Mycoplasma hyosynoviae	100	100	50, 100
MMCS	Mycoplasma mycoides	100	100	50, 100
MOVI	Mycoplasma ovipneumoniae	100	100	50, 100
MYOV	Mycoplasma ovis	100	100	50, 100
MPUT	Mycoplasma putrefaciens	100	100	50, 100
MSUI	Mycoplasma suis	100	100	50, 100
MSYN	Mycoplasma synoviae	100	100	50, 100
MYWE	Mycoplasma wenyonii	100	100	50, 100
XMA1	M. bovis + S. aureus			50, 100
XMGS	M. gallisepticum + M. synoviae			50, 100
MHFC	M. haemofelis/M. haemocanis			
MYXV	Myxoma virus	100	100	50, 100
NEOS	Neospora caninum	100	100	50, 100
NVG3	Norovirus Genotype 3	100	100	50, 100
ORFV	ORF virus	100		50, 100
ORNT	Ornitobacterium rhinotracheale	100	100	50, 100
CSOR	Paeniclostridium sordelli	100	100	50, 100
PTBC	Paratuberculosis	100	100	50, 100
XPTB	Paratuberculosis (multiplex)			50, 100
PAST	Pasteurella multocida	100	100	50, 100
PMCA	P. multocida capsular type A	100		100
PMCB	P. multocida capsular type B	100		100

REF	EXOne qPCR kits	BASIC	BASIC +	oneMIX
		NUMBER OF AVAILABLE REACTIONS		
PMCD	P. multocida capsular type D	100	100	100
PMCE	P. multocida capsular type E	100	100	100
PMCF	P. multocida capsular type F	100	100	100
XPM1	P. multocida capsular typing (A + B)		100	
XPM2	P. multocida capsular typing (D + E + F)		100	
PTOX	Pasteurella multocida toxA gene	100	100	50, 100
LEPT	Pathogenic Leptospira	100	100	50, 100
PCV2	PCV2	100	100	50, 100
PCV3	PCV3	100	100	50, 100
PEDV	PEDV	100	100	50, 100
PIRO	Piroplasma	100	100	50, 100
PoPV	Porcine Parvovirus	100	100	50, 100
PTSV	Porcine Teschovirus	100	100	50, 100
PRTH	Prototheca spp.	100		50, 100
PSEU	Pseudomonas aeruginosa			50, 100
RHDc	RHDV classic			50, 100
RHDb	RHDV new variant	100	100	50, 100
REQI	Rhodococcus equi	100	100	50, 100
REVA	Rhodococcus equi vapA	100		50, 100
RICK	Rickettsia spp.	100		50, 100
RIEM	Riemberella anatipestifer	100	100	50, 100
RTVA	Rotavirus A	100	100	50, 100
RTVC	Rotavirus C	100	100	50, 100
SABO	Salmonella abortus ovis	100	100	50, 100
SENT	Salmonella enterica	100	100	50, 100
SGAL	Salmonella gallinarum			50, 100
STIS	Salmonella infantis	100	100	50, 100
SPUL	Salmonella pullorum			50, 100
SVV1	Seneca Virus Valley	100	100	50, 100
SAUR	Staphylococcus aureus	100	100	50, 100
SEPI	Staphylococcus epidermidis	100	100	50, 100
SHAE	Staphylococcus haemolyticus	100	100	50, 100

REF	EXOone qPCR kits	BASIC	BASIC +	oneMIX
		NUMBER OF AVAILABLE REACTIONS		
STHY	<i>Staphylococcus hyicus</i>	100		50, 100
SAGA	<i>Streptococcus agalactiae</i>	100	100	50, 100
SDYS	<i>Streptococcus dysgalactiae</i>	100	100	50, 100
SEQI	<i>Streptococcus equi</i>	100	100	50, 100
XEQU	<i>S. equi</i> equi + <i>S. equi</i> zooepidemicus			50, 100
SINA	<i>Streptococcus iniae</i>			50, 100
SSUI	<i>Streptococcus suis</i>	100	100	50, 100
SSU1	<i>S. suis</i> serotype 1-14	100		100
SSU2	<i>S. suis</i> serotype 2-1/2	100		100
SSU3	<i>S. suis</i> serotype 3	100		100
SSU4	<i>S. suis</i> serotype 4	100		100
SSU5	<i>S. suis</i> serotype 5	100		100
SSU7	<i>S. suis</i> serotype 7	100		100
SSU8	<i>S. suis</i> serotype 8	100		100
SSU9	<i>S. suis</i> serotype 9	100		100
SUBE	<i>Streptococcus uberis</i>	100	100	50, 100
SHV1	Suid Alpha Herpesvirus (Aujeszky)	100	100	50, 100
SDCV	Swine Delta Coronavirus	100	100	50, 100
SWPV	Swine Pox Virus	100		50, 100
TAYL	<i>Taylorella equigenitalis</i>	100	100	50, 100
TMAR	<i>Tenacibaculum maritimum</i>			50, 100
TGEV	TGEV	100	100	50, 100
THAN	Theileria annulata	100	100	50, 100
TEQI	Theileria equi			50, 100
TOXO	<i>Toxoplasma gondii</i>	100	100	50, 100
TSUI	<i>Trichuris suis</i>	100	100	50, 100
TRIF	<i>Tritrichomonas foetus</i>	100	100	50, 100
UREP	<i>Ureaplasma diversum</i>	100	100	50, 100
VHSV	VHSV			50, 100
VANG	<i>Vibrio anguillarum</i>			50, 100
VHAR	<i>Vibrio haryevi</i>			50, 100
YRUK	<i>Yersinia ruckeri</i>			50, 100

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