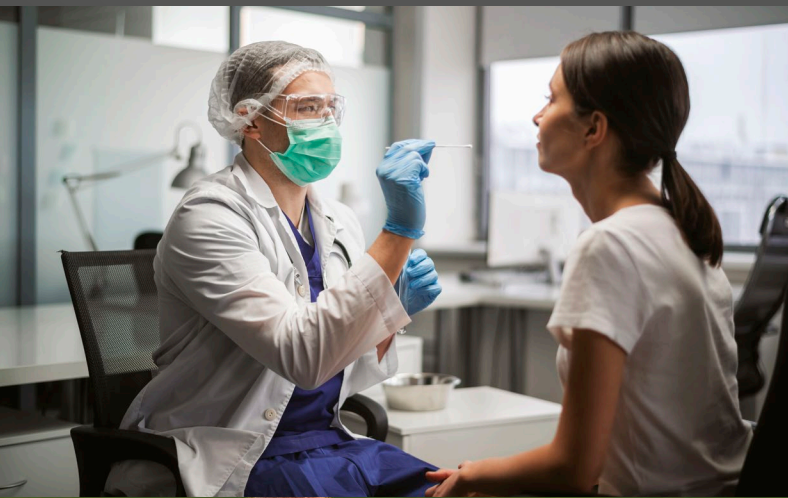


NOVACYT

genesig™
qPCR test kits

by PRIMER
DESIGN



Human | Veterinary |
Food, Water and Agriculture

For general laboratory & research use only

Convenient kit formats

Pathogen Detection	Easy Kit	Standard Kit	Advanced Kit	genesigPLEX Kit
qPCR platform compatibility	genesig™ q16/q32	genesig™ q32 and open platform instruments		
Multiplex qPCR	(Y)	-	(Y)	Y
Target primer and probe mix	Y	Y	Y	Y
Positive control	Y	Y	Y	Y
Negative control	Y	Y	Y	Y
Internal extraction control (IEC) primer and probe mix	Y	-	Y	(Y)
Endogenous control primer and probe mix	-	-	Y	(Y)
Lyophilised Master Mix	Y	-	-	Y
Reaction tubes	Y	-	-	-
Resuspension buffers	Y	Y	Y	Y
Kit size (tests)	50	150	150	100



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genesig™ qPCR detection kits

Primer Design is proud to present our extensive range of close to 1,500 qPCR detection kits, including assays targeting human pathogen detection, veterinary diseases, food, water and agricultural analysis, species identification, biothreat detection, genotyping and many more.

Designed and manufactured in the United Kingdom

All of our kits have been designed by experts drawing on decades of experience in bioinformatics, and are continuously reviewed for their specificity in our global sequence surveillance programme.

Our cross-functional team of manufacturing scientists carefully optimise each kit to provide consistent and reliable product quality in tandem with leading performance.

A dedicated technical support team are also available to assist our customers on their individual journey to achieve results that make a real difference.

Wide range

The genesig™ product range by Primer Design has close to 1,500 qPCR detection kits and counting, and we continue to add more kits as our customer needs constantly evolve and grow.

The genesig™ portfolio is extensive, and includes kits that support the following customer sectors:

- ✓ Human pathogen detection
- ✓ Veterinary pathogen detection
- ✓ Food, water and agricultural testing

- ✓ Biothreat detection
- ✓ Genotyping
- ✓ Oncology target detection

Global reputation

Primer Design qPCR kits by Novacyt are trusted globally, and currently used by customers in over 100 countries worldwide.

Open platform

The genesig™ range includes kits developed for open platform qPCR instruments, to give our customers the highest level of flexibility.

genesig™ qPCR detection kit formats

Within the genesig™ qPCR detection kit range are four convenient kit formats, which are optimised for specific user needs and technical experience. Our genesig™ Easy Kits are suitable for users of all experience levels and designed specifically for the genesig™q16 and q32 PCR instruments.

The Standard and Advanced Kits can be used with the genesig™q32, and open platform qPCR cyclers. The genesigPLEX range are specialised multiplex kits, allowing the detection of multiple targets in one reaction. The table on page 2 outlines the full contents of each kit format.

genesig™ qPCR detection kits

Complete control of your findings

- ✓ Quantified positive control confirms experimental performance and allows for copy number determination of your target
- ✓ Internal extraction control gives detailed insight into the efficiency of extraction and the sample quality

- ✓ Endogenous control confirms the quantity and quality of biological material

Supplied lyophilised

- ✓ No cold chain shipping
- ✓ Fast delivery to anywhere in the world



Multiplex analysis

genesig™ kits are ideal for multi target analysis

Every genesig™ kit of the same format operates with a standardised protocol and uniform cycling conditions. This simplifies the application for the customer, as the protocol only needs to be learned once, but can be used to test for hundreds of different targets.

What's more, because kits of the same format employ a consistent cycling protocol, multiple kits can be combined on the same plate on the same PCR run. This means a sample could be screened for up to 32 different pathogens at the same time.

genesigPLEX qPCR kits

genesigPLEX Kits are unique multiplex qPCR assays that allow real-time PCR detection and differentiation of multiple preselected targets simultaneously in a single reaction tube. Individual primers and probes have been designed enabling the detection of several viruses or bacteria in a single reaction through separate fluorescent channels.

The genesigPLEX qPCR kits also include either an endogenous control or internal extraction control to confirm extraction and sample quality.

These multiplex kits are available as panels for a variety of human infections including: STI, GI, respiratory, blood-borne, insect-borne, eye-infection, joint-infection, transplant, meningitis, and healthcare associated; as well as for the veterinary infection of equine strangles and STDs.

The genesigPLEX kits include oasisig™ lyophilised qPCR Master Mix, our unique qPCR master mix optimised for multiplex applications, providing reliable quality and performance.



genesig™ q16 and genesig™ q32

genesig™ q16 Real-Time PCR instrument

Small and portable molecular testing platform

The genesig™ q16 Real-Time PCR Instrument is small and highly portable, providing on-site testing capability for any business and enabling faster turnaround times. The q16 is the optimal tool for making molecular testing accessible to everyone, everywhere.

Automated analysis

The genesig™ q16 makes real-time PCR easy for the first time. The genesig™ Easy Kit format is designed specifically for the q16 and simplifies everything during test set-up. The q16 software experience is fast and intuitive, and with completely automated data analysis and interpretation ideal for experts and novices alike with equally powerful results.

Ground-breaking technology

As well as being designed to look like part of any modern laboratory, the genesig™ q16 is technologically powerful. The instrument has no moving parts, providing robust and long-lasting reliability. Additionally, the q16 operates in silence and weighs less than 2kg, is compatible with Windows and Mac systems, and can also operate in stand alone mode via a USB drive connection!

A complete solution

The genesig™ q16 can be used with regular lab equipment and DNA extraction systems. But if you don't have a lab, the genesig™ Easy Lab-in-a-Box and the genesig™ Easy DNA/RNA Extraction Kit will provide all that you need to complete your molecular testing set-up.

genesig™ q32 Real-Time PCR instrument

A fast qPCR instrument for all genesig™ kits

Expeditious heating and cooling makes the genesig™ q32 Real-Time PCR Instruments one of the fastest qPCR instruments on the market today. Being built with robust, high quality elements, our instrument provides a long-lasting solution for any customer, and is provided with a 2 year warranty as standard.

The genesig™ q32 instrument allows analysis of up to 32 reactions in either single-tube or strip tube format. Its powerful and easy to use genesig™ q32 software provides a quick start for all genesig™ kit applications. The software allows straightforward editing of sample and target information, and its automated data analysis calling provides easy interpretation of results.

genesig™ qPCR kit compatibility

The genesig™ q32 instrument has multi-channel detection capabilities, giving users access to a wide range of the genesig™ qPCR kit portfolio. Compatible with our genesigPLEX Multiplex Kits in addition to all Easy, Standard and Advanced Kit formats, the genesig™ q32 provides ultimate flexibility.



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qPCR test kits human pathogen

The human pathogen detection kit range forms the largest part of the genesig™ portfolio and is ever growing.

This segment includes hundreds of kits for pathogenic bacteria, viruses, protozoa, parasites etc.

- ✓ Multiplex kits
- ✓ Respiratory infections
- ✓ Sexually transmitted infections
- ✓ Transplant and immunosuppressed
- ✓ Hepatitis infections
- ✓ Human papillomavirus
- ✓ Meningitis
- ✓ Gastrointestinal infections
- ✓ Vector-borne diseases
- ✓ Periodontal infections
- ✓ Human parasites
- ✓ Others

Multiplex kit		
Name	Product code	Kit format version
genesigPLEX Atypical Pneumonia Real-Time PCR	R01001	Multiplex
genesigPLEX Bacterial Meningitis Real-Time PCR	R01002	Multiplex
genesigPLEX Eye Infection Real-Time PCR	R01003	Multiplex
genesigPLEX Gastrointestinal Bacterial Real-Time PCR*	R01004	Multiplex
genesigPLEX Gastrointestinal Viral Real-Time PCR	R01005	Multiplex
genesigPLEX Joint Infection Real-Time PCR	R01006	Multiplex
genesigPLEX Respiratory Virus Real-Time PCR	R01007	Multiplex
genesigPLEX Viral Meningitis Real-Time	R01008	Multiplex
genesigPLEX Insect Borne qPCR	R01020	Multiplex
genesigPLEX Livestock Screening qPCR	R01021	Multiplex
genesigPLEX kit for GI Bacterial II Panel	R01046	Multiplex
Dengue, Zika and Chikungunya Virus Multiplex kit	R00600	Multiplex
Dengue virus subtyping	Z-Path-Deng-subtyping	Multiplex
High Risk HPV Multiplex Kit	Z-Path-High Risk HPV	Multiplex
genesigPLEX CT/NG	Z-Path-CT/NG-GPX	Multiplex
genesigPLEX CT/NG/UU	Z-Path-CT/NG/UU-GPX	Multiplex
genesigPLEX CT/NG/TV	Z-Path-CT/NG/TV-GPX	Multiplex
genesigPLEX CMV/EBV/BKV	R00402	Multiplex
genesigPLEX FluA/FluB/RSV	R00952	Multiplex
genesigPLEX HBV/HCV/HIV1/HIV2	R00544	Multiplex
Monkeypox 2G	R00948	Multiplex
MRSA with Staphylococcal cassette chromosome MecA/FemB	Z-Path-MRSA-GPX	Multiplex
Winterplex (SARS-CoV-2 3G, FluA/FluB/RSV)	R00021	Multiplex

* Not for use on q32

qPCR test kits **human pathogen**

Respiratory infections		
Name	Product code	Kit format version
Adenovirus type B	Z-Path-AdVB	Advanced
	Z-Path-AdVB-EASY	Easy
	Z-Path-AdVB-std	Standard
Adenovirus type C	Z-Path-AdVC	Advanced
	Z-Path-AdVC-std	Standard
Adenovirus type F&G	Z-Path-AdVF&G	Advanced
	Z-Path-AdVF&G-std	Standard
Adenovirus F41	R00607	Advanced
	R00608	Easy
BK virus	Z-Path-BKV	Advanced
	Z-Path-BKV-EASY	Easy
	Z-Path-BKV-std	Standard
Bordetella bronchiseptica	Z-Path-B.bronchiseptica	Advanced
	Z-Path-B.bronchiseptica-std	Standard
Bordetella pertussis	Z-Path-B.pertussis	Advanced
	Z-Path-B.pertussis-EASY	Easy
	Z-Path-B.pertussis-std	Standard
Chlamydomphila pneumoniae	Z-Path-C.pneumoniae	Advanced
	Z-Path-C.pneumoniae-std	Standard
Chlamydomphila psittaci	Z-Path-C.psittaci-v2.0	Advanced
	Z-Path-C.psittaci-EASY-v2.0	Easy
	Z-Path-C.psittaci-std-v2.0	Standard
Coronavirus 2012 genomes	Z-Path-HCoV_2012_V1	Advanced
	Z-Path-HCoV_2012_V1-EASY	Easy
	Z-Path-HCoV_2012_V1-std	Standard
Cryptococcus neoformans	Z-Path-C.neoformans	Advanced
Enterobacter cloacae complex	Z-Path-E.cloacae-v2.0	Advanced
Geosmithia argillacea	Z-Path-G.argillacea	Advanced
	Z-Path-G.argillacea-std	Standard
Group 1 Coronavirus genomes	Z-Path-HCoV_Gp1	Advanced
	Z-Path-HCoV_Gp1-std	Standard
Group 2 Coronavirus genomes	Z-Path-HCoV_Gp2	Advanced
	Z-Path-HCoV_Gp2-std	Standard
H1N1 influenza	R00975	Advanced
	R00976	Easy
	R01013	Standard
Haemophilus influenzae	Z-Path-H.influenzae	Advanced
	Z-Path-H.influenzae-EASY	Easy
	Z-Path-H.influenzae-std	Standard
Human Influenza A Virus Subtype H1	Z-Path-H1-v2.0	Advanced
	Z-Path-H1-v2.0-std	Standard
Human Influenza A Virus Subtype H3	Z-Path-H3	Advanced
	Z-Path-H3-EASY	Easy
	Z-Path-H3-std	Standard

Respiratory infections - <i>continued</i>		
Name	Product code	Kit format version
Influenza type A M1	R00959	Advanced
	R00960	Easy
	R01025	Standard
Human Influenza type A M2	R00953	Advanced
	R00954	Easy
Human Influenza type B	R00955	Advanced
	R00956	Easy
Human Measles Virus	Z-Path-HMV	Advanced
	Z-Path-HMV-std	Standard
Human Metapneumovirus	R00090	Advanced
	R00092	Easy
	R00091	Standard
Human Parainfluenza virus type 1	Z-Path-HPIV1	Advanced
	Z-Path-HPIV1-std	Standard
Human Parainfluenza virus type 2	Z-Path-HPIV2	Advanced
	Z-Path-HPIV2-std	Standard
Human Parainfluenza virus type 3	Z-Path-HPIV3	Advanced
	Z-Path-HPIV3-std	Standard
Human Parainfluenza virus type 4	Z-Path-HPIV4	Advanced
	Z-Path-HPIV4-std	Standard
Human Parainfluenza virus type 4A	Z-Path-HPIV4A	Advanced
	Z-Path-HPIV4A-std	Standard
Human Parainfluenza virus type 4B	Z-Path-HPIV4B-V2.0	Advanced
Human Polyomavirus 6	Z-Path-HPyV6	Advanced
	Z-Path-HPyV6-std	Standard
Human Polyomavirus 7	Z-Path-HPyV7	Advanced
	Z-Path-HPyV7-std	Standard
Human Polyomavirus 9	Z-Path-HPyV9	Advanced
	Z-Path-HPyV9-std	Standard
Human Rhinovirus all subtypes (generic)	Z-Path-HRVsp	Advanced
	Z-Path-HRVsp-EASY	Easy
	Z-Path-HRVsp-std	Standard
Human Rhinovirus Subtype 16	Z-Path-HRV16	Advanced
	Z-Path-HRV16-EASY	Easy
	Z-Path-HRV16-std	Standard
Human Rhinovirus Subtype 1B	Z-Path-HRV1B	Advanced
	Z-Path-HRV1B-std	Standard
Klebsiella pneumoniae	Z-Path-K.pneumoniae	Advanced
	Z-Path-K.pneumoniae-EASY	Easy
	Z-Path-K.pneumoniae-std	Standard
Klebsiella pneumoniae_capsule-1	Z-Path-K.pneumoniae_cap-1	Advanced
	Z-Path-K.pneumoniae_cap-1-std	Standard
Klebsiella pneumoniae_capsule-2	Z-Path-K.pneumoniae_cap-2	Advanced
	Z-Path-K.pneumoniae_cap-2-std	Standard
Klebsiella pneumoniae_capsule-5	Z-Path-K.pneumoniae_cap-5	Advanced
	Z-Path-K.pneumoniae_cap-5-std	Standard
Legionella pneumophila	Z-Path-L.pneumophila-v1.1	Advanced
	Z-Path-L.pneumophila-v1.1-EASY	Easy
	Z-Path-L.pneumophila-v1.1-std	Standard

qPCR test kits **human pathogen**

Respiratory infections - <i>continued</i>		
Name	Product code	Kit format version
Legionella all species	R01028	Advanced
	R01030	Easy
	R01029	Standard
Methicillin-resistant Staphylococcus aureus	Z-Path-MRSA	Advanced
	Z-Path-MRSA-EASY	Easy
	Z-Path-MRSA-std	Standard
MRSA with Staphylococcal cassette chromosome mec type IVa	Z-Path-MRSA_SCC_IVa	Advanced
	Z-Path-MRSA_SCC_IVa-std	Standard
MRSA with Staphylococcal cassette chromosome mec SCC_global	Z-Path-MRSA_SCC_global	Advanced
	Z-Path-MRSA_SCC_global-std	Standard
Moraxella catarrhalis	Z-Path-M.catarrhalis	Advanced
	Z-Path-M.catarrhalis-std	Standard
Mycobacterium (all species)	Z-Path-Mycobacterium_spp	Advanced
	Z-Path-Mycobacterium_spp-EASY	Easy
	Z-Path-Mycobacterium_spp-std	Standard
Mycobacterium avium	Z-Path-M.avium	Advanced
	Z-Path-M.avium-EASY	Easy
	Z-Path-M.avium-std	Standard
Mycobacterium avium subspecies paratuberculosis	Z-Path-Map	Advanced
	Z-Path-Map-EASY	Easy
	Z-Path-Map-std	Standard
Mycobacterium Tuberculosis	Z-Path-TB	Advanced
	Z-Path-TB-EASY	Easy
	Z-Path-TB-std	Standard
Mycobacterium tuberculosis complex	Z-Path-M.tuber_complex	Advanced
	Z-Path-M.tuber_complex-EASY	Easy
	Z-Path-M.tuber_complex-std	Standard
Mycobacterium tuberculosis complex targets, MPB64 and IS6110	Z-Path-M.tu_MPB64/IS6110	Advanced
	Z-Path-M.tu_MPB64/IS6110-EASY	Easy
	Z-Path-M.tu_MPB64/IS6110-std	Standard
Mycoplasma pneumoniae	Z-Path-M.pneumoniae	Advanced
	Z-Path-M.pneumoniae-std	Standard
Respiratory Syncytial Virus spp	R00957	Advanced
	R00958	Easy
	R01024	Standard
Respiratory Syncytial Virus A	Z-Path-RSV-A	Advanced
	Z-Path-RSV-A-std	Standard
Respiratory Syncytial Virus B	Z-Path-RSV-B-V2.0	Advanced
	Z-Path-RSV-B-V2.0-std	Standard
SARS coronavirus	Z-Path-SARS-CoV	Advanced
	Z-Path-SARS-CoV-std	Standard
2019-nCoV (SARS-CoV-2)	Z-Path-2019-nCoV	Advanced
	Z-Path-2019-nCoV-EASY	Easy
	Z-Path-2019-nCoV-std	Standard

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Sexually transmitted infections		
Name	Product code	Kit format version
Candida albicans	Z-Path-C.albicans	Advanced
	Z-Path-C.albicans-EASY	Easy
	Z-Path-C.albicans-std	Standard
Chlamydia trachomatis	Z-Path-C.trachomatis	Advanced
	Z-Path-C.trachomatis-EASY	Easy
	Z-Path-C.trachomatis-std	Standard
Chlamydiaceae (all species)	Z-Path-Chlamydia	Advanced
	Z-Path-Chlamydia-EASY	Easy
	Z-Path-Chlamydia-std	Standard
Gardnerella vaginalis	Z-Path-G.vaginalis	Advanced
	Z-Path-G.vaginalis-EASY	Easy
	Z-Path-G.vaginalis-std	Standard
Haemophilus ducreyi	Z-Path-H.ducreyi	Advanced
	Z-Path-H.ducreyi-std	Standard
Human Astrovirus 1-8	Z-Path-HAstV1-8	Advanced
	Z-Path-HAstV1-8-std	Standard
Hepatitis A Virus	Z-Path-HAV	Advanced
	Z-Path-HAV-EASY	Easy
	Z-Path-HAV-std	Standard
Hepatitis B Virus	R00501	Advanced
	R00500	Easy
Hepatitis C virus	R00511	Advanced
	R00510	Easy
Hepatitis D virus	Z-Path-HDV	Advanced
	Z-Path-HDV-EASY	Easy
	Z-Path-HDV-std	Standard
Hepatitis E virus	Z-Path-HEV	Advanced
	Z-Path-HEV-EASY	Easy
	Z-Path-HEV-std	Standard
Human Immunodeficiency Virus type 1 (HIV1)	R00611	Advanced
	R01039	Standard
Human Immunodeficiency Virus type 2 (HIV2)	R00543	Advanced
	R00542	Easy
	R01040	Standard
Human Papillomavirus 11	Z-Path-HPV11	Advanced
	Z-Path-HPV11-EASY	Easy
	Z-Path-HPV11-std	Standard
Human Papillomavirus 16	Z-Path-HPV16	Advanced
	Z-Path-HPV16-EASY	Easy
	Z-Path-HPV16-std	Standard
Human Papillomavirus 18	Z-Path-HPV18	Advanced
	Z-Path-HPV18-EASY	Easy
	Z-Path-HPV18-std	Standard
Human Papillomavirus 31	Z-Path-HPV31	Advanced
	Z-Path-HPV31-EASY	Easy
	Z-Path-HPV31-std	Standard
Human Papillomavirus 33	Z-Path-HPV33	Advanced
	Z-Path-HPV33-EASY	Easy
	Z-Path-HPV33-std	Standard

qPCR test kits **human pathogen**

Sexually transmitted infections - <i>continued</i>		
Name	Product code	Kit format version
Human Papillomavirus 45	Z-Path-HPV45	Advanced
	Z-Path-HPV45-EASY	Easy
	Z-Path-HPV45-std	Standard
Human Papillomavirus 52	Z-Path-HPV52	Advanced
	Z-Path-HPV52-std	Standard
Human Papillomavirus 58	Z-Path-HPV58	Advanced
	Z-Path-HPV58-std	Standard
Human Papillomavirus 6	Z-Path-HPV6	Advanced
	Z-Path-HPV6-EASY	Easy
	Z-Path-HPV6-std	Standard
Mycoplasma genitalium	Z-Path-M.genitalium	Advanced
	Z-Path-M.genitalium-std	Standard
Neisseria gonorrhoeae	Z-Path-N.gonorrhoeae	Advanced
	Z-Path-N.gonorrhoeae-EASY	Easy
	Z-Path-N.gonorrhoeae-std	Standard
Treponema pallidum	Z-Path-T.pallidum	Advanced
	Z-Path-T.pallidum-EASY	Easy
	Z-Path-T.pallidum-std	Standard
Trichomonas vaginalis	Z-Path-T.vaginalis	Advanced
	Z-Path-T.vaginalis-std	Standard
Ureaplasma urealyticum	Z-Path-U.urealyticum	Advanced
	Z-Path-U.urealyticum-std	Standard

Transplant and immunodepressed		
Cytomegalovirus (HHV5)	R00400	Advanced
	R00401	Easy
	R01023	Standard
BK virus	Z-Path-BKV	Advanced
	Z-Path-BKV-EASY	Easy
	Z-Path-BKV-std	Standard
Epstein Barr Virus	Z-Path-EBV	Advanced
	Z-Path-EBV-EASY	Easy
	Z-Path-EBV-std	Standard
Human Herpesvirus 3 (VZV)	Z-Path-HHV3	Advanced
	Z-Path-HHV3-EASY	Easy
	Z-Path-HHV3-std	Standard
Human Herpesvirus 6	Z-Path-HHV6	Advanced
	Z-Path-HHV6-std	Standard
Human Herpesvirus 6 variant A	Z-Path-HHV6-A	Advanced
	Z-Path-HHV6-A-std	Standard
Human Herpesvirus 6 variant B	Z-Path-HHV6-B	Advanced
	Z-Path-HHV6-B-EASY	Easy
	Z-Path-HHV6-B-std	Standard

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Transplant and immunodepressed		
Name	Product code	Kit format version
Human Herpesvirus 7	Z-Path-HHV7	Advanced
	Z-Path-HHV7-std	Standard
Human Herpesvirus 8	Z-Path-HHV8	Advanced
	Z-Path-HHV8-EASY	Easy
	Z-Path-HHV8-std	Standard
Herpes simplex type 1 (HHV1)	Z-Path-HSV1	Advanced
	Z-Path-HSV1-EASY	Easy
	Z-Path-HSV1-std	Standard
Herpes simplex type 1 and 2 (HHV1&2)	Z-Path-HSV1&2	Advanced
	Z-Path-HSV1&2-EASY	Easy
	Z-Path-HSV1&2-std	Standard
Herpes simplex type 2 (HHV2)	Z-Path-HSV2	Advanced
	Z-Path-HSV2-EASY	Easy
	Z-Path-HSV2-std	Standard

Hepatitis Infections		
Hepatitis A Virus	Z-Path-HAV	Advanced
	Z-Path-HAV-EASY	Easy
	Z-Path-HAV-std	Standard
Hepatitis B Virus	R00501	Advanced
	R00500	Easy
Hepatitis C virus	R00511	Advanced
	R00510	Easy
Hepatitis D virus	Z-Path-HDV	Advanced
	Z-Path-HDV-EASY	Easy
	Z-Path-HDV-std	Standard
Hepatitis E virus	Z-Path-HEV	Advanced
	Z-Path-HEV-EASY	Easy
	Z-Path-HEV-std	Standard

Human papillomavirus		
Human Papillomavirus 11	Z-Path-HPV11	Advanced
	Z-Path-HPV11-EASY	Easy
	Z-Path-HPV11-std	Standard
Human Papillomavirus 16	Z-Path-HPV16	Advanced
	Z-Path-HPV16-EASY	Easy
	Z-Path-HPV16-std	Standard
Human Papillomavirus 18	Z-Path-HPV18	Advanced
	Z-Path-HPV18-EASY	Easy
	Z-Path-HPV18-std	Standard
Human Papillomavirus 31	Z-Path-HPV31	Advanced
	Z-Path-HPV31-EASY	Easy
	Z-Path-HPV31-std	Standard
Human Papillomavirus 33	Z-Path-HPV33	Advanced
	Z-Path-HPV33-EASY	Easy
	Z-Path-HPV33-std	Standard

qPCR test kits **human pathogen**

Human papillomavirus - <i>continued</i>		
Name	Product code	Kit format version
Human Papillomavirus 45	Z-Path-HPV45	Advanced
	Z-Path-HPV45-EASY	Easy
	Z-Path-HPV45-std	Standard
Human Papillomavirus 52	Z-Path-HPV52	Advanced
	Z-Path-HPV52-std	Standard
Human Papillomavirus 58	Z-Path-HPV58	Advanced
	Z-Path-HPV58-std	Standard
Human Papillomavirus 6	Z-Path-HPV6	Advanced
	Z-Path-HPV6-EASY	Easy
	Z-Path-HPV6-std	Standard

Meningitis		
Cytomegalovirus (HHV5)	R00400	Advanced
	R00401	Easy
	R01023	Standard
Enterovirus	Z-Path-Enterovirus	Advanced
	Z-Path-Enterovirus-EASY	Easy
	Z-Path-Enterovirus-std	Standard
Haemophilus influenzae	Z-Path-H.influenzae	Advanced
	Z-Path-H.influenzae-EASY	Easy
	Z-Path-H.influenzae-std	Standard
Herpes simplex type 1 (HHV1)	Z-Path-HSV1	Advanced
	Z-Path-HSV1-EASY	Easy
	Z-Path-HSV1-std	Standard
Herpes simplex type 1 and 2 (HHV1&2)	Z-Path-HSV1&2	Advanced
	Z-Path-HSV1&2-EASY	Easy
	Z-Path-HSV1&2-std	Standard
Herpes simplex type 2 (HHV2)	Z-Path-HSV2	Advanced
	Z-Path-HSV2-EASY	Easy
	Z-Path-HSV2-std	Standard
Leptospirosis	Z-Path-Leptospirosis	Advanced
	Z-Path-Leptospirosis-EASY	Easy
	Z-Path-Leptospirosis-std	Standard
Lyme disease	Z-Path-Lyme disease	Advanced
	Z-Path-Lyme disease-EASY	Easy
	Z-Path-Lyme disease-std	Standard
Neisseria meningitidis	Z-Path-N.meningitidis	Advanced
	Z-Path-N.meningitidis-EASY	Easy
	Z-Path-N.meningitidis-std	Standard
Streptococcus pneumoniae	Z-Path-S.pneu	Advanced
	Z-Path-S.pneu-EASY	Easy
	Z-Path-S.pneu-std	Standard

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Gastrointestinal infections		
Name	Product code	Kit format version
Alpha toxin producing <i>Clostridium perfringens</i>	Z-Path-C.perfringens_cpa	Advanced
	Z-Path-C.perfringens_cpa-EASY	Easy
	Z-Path-C.perfringens_cpa-std	Standard
<i>Bacillus cereus</i> E33	Z-Path-B.cereus E33	Advanced
<i>Bacteroides</i> species	Z-Path-Bacteroides_spp	Advanced
	Z-Path-Bacteroides_spp-std	Standard
<i>Bifidobacterium bifidum</i>	Z-Path-B.bifidum-EASY	Easy
<i>Campylobacter</i> Coli	Z-Path-C.Coli	Advanced
	Z-Path-C.Coli-EASY	Easy
	Z-Path-C.Coli-std	Standard
<i>Campylobacter</i> Jejuni	Z-Path-C.jejuni	Advanced
	Z-Path-C.jejuni-EASY	Easy
	Z-Path-C.jejuni-std	Standard
<i>Campylobacter coli</i> and <i>Campylobacter jejuni</i>	Z-Path-C.coli/C.jejuni	Advanced
	Z-Path-C.coli/C.jejuni-EASY	Easy
	Z-Path-C.coli/C.jejuni-std	Standard
<i>Candida albicans</i>	Z-Path-C.albicans	Advanced
	Z-Path-C.albicans-EASY	Easy
	Z-Path-C.albicans-std	Standard
<i>Clostridium botulinum</i> toxin D	Z-Path-C.botulinum_toxD	Advanced
	Z-Path-C.botulinum_toxD-std	Standard
<i>Cryptosporidium</i>	Z-Path-Crypto	Advanced
	Z-Path-Crypto-EASY	Easy
	Z-Path-Crypto-std	Standard
<i>Entamoeba histolytica</i>	Z-Path-E.histolytica	Advanced
	Z-Path-E.histolytica-EASY	Easy
	Z-Path-E.histolytica-std	Standard
<i>Entamoeba</i> species	Z-Path-Entamoeba_spp	Advanced
	Z-Path-Entamoeba_spp-EASY	Easy
	Z-Path-Entamoeba_spp-std	Standard
<i>Enterococcus faecalis</i>	Z-Path-E.faecalis	Advanced
	Z-Path-E.faecalis-EASY	Easy
	Z-Path-E.faecalis-std	Standard
<i>Enterococcus faecium</i>	R00967	Advanced
	R00968	Easy
	R01009	Standard
Enterohemorrhagic <i>Escherichia coli</i>	Z-Path-EHEC	Advanced
	Z-Path-EHEC-std	Standard
Enteroinvasive <i>Escherichia coli</i>	Z-Path-EIEC	Advanced
	Z-Path-EIEC-std	Standard
Enteropathogenic <i>Escherichia coli</i>	Z-Path-EPEC	Advanced
	Z-Path-EPEC-EASY	Easy
	Z-Path-EPEC-std	Standard
Enterotoxigenic <i>Escherichia coli</i>	Z-Path-ETEC	Advanced
	Z-Path-ETEC-EASY	Easy
	Z-Path-ETEC-std	Standard
<i>Escherichia coli</i> (all strains)	Z-Path-E.coli_spp	Advanced
	Z-Path-E.coli_spp-EASY	Easy
	Z-Path-E.coli_spp-std	Standard

qPCR test kits **human pathogen**

Gastrointestinal infections - <i>continued</i>		
Name	Product code	Kit format version
Escherichia coli O157:H7	Z-Path-E.coli_O157-v2.0	Advanced
	Z-Path-E.coli_O157-EASY-v2.0	Easy
	Z-Path-E.coli_O157-std-v2.0	Standard
Escherichia coli O104:H4	Z-Path-E.coli_O104:H4	Advanced
Giardia intestinalis (human infections)	Z-Path-G.intestinalis	Advanced
	Z-Path-G.intestinalis-EASY	Easy
	Z-Path-G.intestinalis-std	Standard
Giardia intestinalis (Assemblage A-F)	Z-Path-G.intestinalis_A-F	Advanced
	Z-Path-G.intestinalis_A-F-EASY	Easy
	Z-Path-G.intestinalis_A-F-std	Standard
Helicobacter pylori	Z-Path-H.pylori	Advanced
	Z-Path-H.pylori-EASY	Easy
	Z-Path-H.pylori-std	Standard
Human Bocavirus 1	Z-Path-HBoV-1	Advanced
	Z-Path-HBoV-1-EASY	Easy
	Z-Path-HBoV-1-std	Standard
Human Rotavirus A	Z-Path-Human RotavirusA	Advanced
	Z-Path-Human RotavirusA-std	Standard
Human Rotavirus B	Z-Path-Human RotavirusB	Advanced
	Z-Path-Human RotavirusB-std	Standard
Human Rotavirus C	Z-Path-Human RotavirusC	Advanced
	Z-Path-Human RotavirusC-std	Standard
JC virus	R00969	Advanced
	R00970	Easy
	R01010	Standard
Listeria monocytogenes	Z-Path-L.monocytogenes	Advanced
	Z-Path-L.monocytogenes-EASY	Easy
	Z-Path-L.monocytogenes-std	Standard
Norovirus genogroups I and II	Z-Path-Norovirus	Advanced
	Z-Path-Norovirus-EASY	Easy
	Z-Path-Norovirus-std	Standard
Parechovirus	Z-Path-Parechovirus	Advanced
	Z-Path-Parechovirus-std	Standard
Pathogenic Salmonella species	Z-Path-Salmonella_invA	Advanced
	Z-Path-Salmonella_invA-EASY	Easy
	Z-Path-Salmonella_invA-std	Standard
Salmonella enterica	Z-Path-S.enterica	Advanced
	Z-Path-S.enterica-EASY	Easy
	Z-Path-S.enterica-std	Standard
Shiga toxin (stx1) producing Escherichia coli	Z-Path-E.coli_stx1	Advanced
	Z-Path-E.coli_stx1-std	Standard
Shiga toxin (stx2A) producing Escherichia coli	Z-Path-E.coli_stx2A	Advanced
	Z-Path-E.coli_stx2A-std	Standard
Shiga toxin (stx2f) producing Escherichia coli	Z-Path-E.coli_stx2f	Advanced
	Z-Path-E.coli_stx2f-std	Standard

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Gastrointestinal infections - <i>continued</i>		
Name	Product code	Kit format version
Shigella (all species)	Z-Path-Shigella_spp	Advanced
	Z-Path-Shigella_spp-EASY	Easy
	Z-Path-Shigella_spp-std	Standard
Tellurite resistant Escherichia coli	Z-Path-E.coli_TeR	Advanced
	Z-Path-E.coli_TeR-std	Standard
Toxigenic subspecies of Vibrio cholerae	Z-Path-V.cholerae	Advanced
	Z-Path-V.cholerae-EASY	Easy
Vibrio cholerae subspecies	Z-Path-V.cholerae_subsp	Advanced
	Z-Path-V.cholerae_subsp-EASY	Easy
	Z-Path-V.cholerae_subsp-std	Standard
Vibrio species	Z-Path-Vibrio_spp	Advanced
	Z-Path-Vibrio_spp-EASY	Easy
	Z-Path-Vibrio_spp-std	Standard
Yersinia enterocolitica	Z-Path-Y.enterocolitica	Advanced
	Z-Path-Y.enterocolitica-EASY	Easy
	Z-Path-Y.enterocolitica-std	Standard

Vector-borne diseases		
Anaplasma phagocytophilum	Z-Path-A.phagocytophilum	Advanced
	Z-Path-A.phagocytophilum-EASY	Easy
	Z-Path-A.phagocytophilum-std	Standard
Borrelia burgdorferi	Z-Path-B.burgdorferi	Advanced
	Z-Path-B.burgdorferi-EASY	Easy
	Z-Path-B.burgdorferi-std	Standard
Chikungunya Virus	Z-Path-CHIKV	Advanced
	Z-Path-CHIKV-EASY	Easy
	Z-Path-CHIKV-std	Standard
Coxiella burnetii	Z-Path-C.burnetii	Advanced
	Z-Path-C.burnetii-EASY	Easy
	Z-Path-C.burnetii-std	Standard
Crimean-Congo Haemorrhagic Fever Virus	Z-Path-CCHFV	Advanced
	Z-Path-CCHFV-std	Standard
Dengue virus	R00601	Advanced
	R00602	Easy
Dengue virus type 3	Z-Path-Deng3	Advanced
	Z-Path-Deng3-std	Standard
Ehrlichia species	Z-Path-Ehrlichia_spp	Advanced
	Z-Path-Ehrlichia_spp-EASY	Easy
	Z-Path-Ehrlichia_spp-std	Standard
Francisella tularensis	Z-Path-F.tularensis	Advanced
	Z-Path-F.tularensis-EASY	Easy
	Z-Path-F.tularensis-std	Standard
Japanese Encephalitis Virus	Z-Path-JEV	Advanced
	Z-Path-JEV-EASY	Easy
	Z-Path-JEV-std	Standard
Leishmania infantum and Leishmania donovani	Z-Path-L.infantum/L.donovani	Advanced
	Z-Path-L.infant/L.donov-EASY	Easy
	Z-Path-L.infant/L.donov-std	Standard

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Vector-borne diseases - <i>continued</i>		
Name	Product code	Kit format version
Leishmania major	Z-Path-L.major	Advanced
	Z-Path-L.major-std	Standard
Leishmania species	Z-Path-Leishmania	Advanced
	Z-Path-Leishmania-EASY	Easy
	Z-Path-Leishmania-std	Standard
Leishmania tropica	Z-Path-L.tropica	Advanced
	Z-Path-L.tropica-std	Standard
Lyme disease	Z-Path-Lyme disease	Advanced
	Z-Path-Lyme disease-EASY	Easy
	Z-Path-Lyme disease-std	Standard
Mayaro virus	Z-Path-MAYV-EASY	Easy
Plasmodium falciparum	Z-Path-P.falciparum	Advanced
	Z-Path-P.falciparum-EASY	Easy
	Z-Path-P.falciparum-std	Standard
Plasmodium knowlesi	Z-Path-P.knowlesi	Advanced
	Z-Path-P.knowlesi-EASY	Easy
	Z-Path-P.knowlesi-std	Standard
Plasmodium malariae	Z-Path-P.malariae	Advanced
	Z-Path-P.malariae-std	Standard
Plasmodium ovale	Z-Path-P.ovale	Advanced
	Z-Path-P.ovale-std	Standard
Plasmodium species	Z-Path-Plasmodium_spp	Advanced
	Z-Path-Plasmodium_spp-EASY	Easy
	Z-Path-Plasmodium_spp-std	Standard
Plasmodium vivax	Z-Path-P.vivax	Advanced
	Z-Path-P.vivax-std	Standard
Rickettsia (all species)	Z-Path-Rickettsia_spp	Advanced
	Z-Path-Rickettsia_spp-EASY	Easy
	Z-Path-Rickettsia_spp-std	Standard
Rocio virus	Z-Path-ROCV-EASY	Easy
Sandfly Fever Sicilian Virus	Z-Path-SFSV	Advanced
	Z-Path-SFSV-std	Standard
Spondweni virus	Z-Path-SPOV-EASY	Easy
St. Louis encephalitis virus	Z-Path-SLEV	Advanced
	Z-Path-SLEV-std	Standard
Tick-borne Encephalitis Virus	Z-Path-TBEV	Advanced
	Z-Path-TBEV-EASY	Easy
	Z-Path-TBEV-std	Standard
Trypanosoma cruzi	Z-Path-T.cruzi	Advanced
	Z-Path-T.cruzi-std	Standard
Usutu virus	Z-Path-USUV-EASY	Easy
West Nile Virus	Z-Path-WNV	Advanced
	Z-Path-WNV-EASY	Easy
	Z-Path-WNV-std	Standard

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Vector-borne diseases - <i>continued</i>		
Name	Product code	Kit format version
Western equine encephalomyelitis virus	Z-Path-WEEV	Advanced
	Z-Path-WEEV-EASY	Easy
	Z-Path-WEEV-std	Standard
Yellow Fever Virus	Z-Path-YFV	Advanced
	Z-Path-YFV-EASY	Easy
	Z-Path-YFV-std	Standard
Zika Virus	R00603	Advanced
	R00604	Easy

Periodontal infections		
Nitrobacter species	Z-Path-Nitrobacter_spp	Advanced
	Z-Path-Nitrobacter_spp-std	Standard
Nitrosomonas oligotropha	Z-Path-N.oligotropha	Advanced
	Z-Path-N.oligotropha-std	Standard
Nitrospira species	Z-Path-Nitrospira_spp	Advanced
	Z-Path-Nitrospira_spp-std	Standard
Porphyromonas gingivalis	Z-Path-P.gingivalis	Advanced
	Z-Path-P.gingivalis_ICD-EASY	Easy
	Z-Path-P.gingivalis-std	Standard
Prevotella intermedia	Z-Path-P.intermedia	Advanced
	Z-Path-P.intermedia_ICD-EASY	Easy
	Z-Path-P.intermedia-std	Standard
Pseudomonas stutzeri	Z-Path-P.stutzeri	Advanced
	Z-Path-P.stutzeri-std	Standard
Streptococcus mutans	Z-Path-S.mutans	Advanced
	Z-Path-S.mutans-EASY	Easy
	Z-Path-S.mutans-std	Standard
Streptococcus salivarius	Z-Path-S.salivarius	Advanced
	Z-Path-S.salivarius-std	Standard
Tannerella forsythia	Z-Path-T.forsythia	Advanced
	Z-Path-T.forsythia_ICD-EASY	Easy
	Z-Path-T.forsythia-std	Standard
Treponema denticola	Z-Path-T.denticola	Advanced
	Z-Path-T.denticola_ICD-EASY	Easy
	Z-Path-T.denticola-std	Standard

Human parasites		
Acanthamoeba species	R00950	Advanced
	R00951	Easy
	R01031	Standard
Entamoeba histolytica	Z-Path-E.histolytica	Advanced
	Z-Path-E.histolytica-EASY	Easy
	Z-Path-E.histolytica-std	Standard
Giardia intestinalis (human infections)	Z-Path-G.intestinalis	Advanced
	Z-Path-G.intestinalis-EASY	Easy
	Z-Path-G.intestinalis-std	Standard

qPCR test kits **human pathogen**

Human parasites		
Name	Product code	Kit format version
Giardia intestinalis (Assemblages A-F)	Z-Path-G.intestinalis_A-F	Advanced
	Z-Path-G.intestinalis_A-F-EASY	Easy
	Z-Path-G.intestinalis_A-F-std	Standard
Leishmania infantum/Leishmania donovani	Z-Path-L.infantum/L.donovani	Advanced
	Z-Path-L.infant/L.donov-EASY	Easy
	Z-Path-L.infant/L.donov-std	Standard
Leishmania major	Z-Path-L.major	Advanced
	Z-Path-L.major-std	Standard
Leishmania	Z-Path-Leishmania	Advanced
	Z-Path-Leishmania-EASY	Easy
	Z-Path-Leishmania-std	Standard
Leishmania tropica	Z-Path-L.tropica	Advanced
	Z-Path-L.tropica-std	Standard
Naegleria Species	Z-Path-Naegleria_spp	Advanced
	Z-Path-Naegleria_spp-std	Standard
Naegleria Fowleri	Z-Path-N.fowleri	Advanced
	Z-Path-N.fowleri-std	Standard
Plasmodium falciparum	Z-Path-P.falciparum	Advanced
	Z-Path-P.falciparum-EASY	Easy
	Z-Path-P.falciparum-std	Standard
Plasmodium knowlesi	Z-Path-P.knowlesi	Advanced
	Z-Path-P.knowlesi-EASY	Easy
	Z-Path-P.knowlesi-std	Standard
Plasmodium malariae	Z-Path-P.malariae	Advanced
	Z-Path-P.malariae-std	Standard
Plasmodium ovale	Z-Path-P.ovale	Advanced
	Z-Path-P.ovale-std	Standard
Plasmodium species	Z-Path-Plasmodium_spp	Advanced
	Z-Path-Plasmodium_spp-EASY	Easy
	Z-Path-Plasmodium_spp-std	Standard
Plasmodium vivax	Z-Path-P.vivax	Advanced
	Z-Path-P.vivax-std	Standard
Schistosoma haematobium	Z-Path-S.haematobium	Advanced
	Z-Path-S.haematobium-std	Standard
Schistosoma mansoni	Z-Path-S.mansoni	Advanced
Toxoplasma gondii	Z-Path-Toxoplasma	Advanced
	Z-Path-Toxoplasma-EASY	Easy
	Z-Path-Toxoplasma-std	Standard
Trypanosoma cruzi	Z-Path-T.cruzi	Advanced
	Z-Path-T.cruzi-std	Standard
Trypanosoma evansi	Z-Path-T.evansi	Advanced
	Z-Path-T.evansi-EASY	Easy
	Z-Path-T.evansi-std	Standard
Ureaplasma parvum	Z-Path-U.parvum	Advanced
	Z-Path-U.parvum-std	Standard

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Other		
Name	Product code	Kit format version
Acholeplasma laidlawii	Z-Path-A.laidlawii	Advanced
	Z-Path-A.laidlawii-std	Standard
Acinetobacter baumannii	Z-Path-A.baumannii	Advanced
	Z-Path-A.baumannii-EASY	Easy
	Z-Path-A.baumannii-std	Standard
Acremonium	Z-Path-Acremonium	Advanced
Aspergillus	Z-Path-Asp	Advanced
	Z-Path-Asp-EASY	Easy
	Z-Path-Asp-std	Standard
Aspergillus fumigatus	Z-Path-A.fumigatus	Advanced
	Z-Path-A.fumigatus-EASY	Easy
	Z-Path-A.fumigatus-std	Standard
Aspergillus flavus	Z-Path-A.flavus-std	Standard
Aspergillus niger	Z-Path-A.niger-std-v2.0	Standard
Aspergillus terreus	Z-Path-A.terreus	Advanced
	Z-Path-A.terreus-std	Standard
Aspergillus Screening kit (A.fumigatus, A.flavus, A.niger, A.terreus)	Z-Path-Aspergillus_SCRN-V2.0	Advanced
Bacillus anthracis	Z-Path-B.anthraxis	Advanced
	Z-Path-B.anthraxis-EASY	Easy
	Z-Path-B.anthraxis-std	Standard
Bartonella henselae	Z-Path-B.henselae	Advanced
	Z-Path-B.henselae-EASY	Easy
	Z-Path-B.henselae-std	Standard
Bartonella quintana	Z-Path-B.quintana	Advanced
	Z-Path-B.quintana-std	Standard
Avian Influenza H5	R00971	Advanced
	R00972	Easy
	R01011	Standard
Avian Influenza H5N1	R00973	Advanced
	R00974	Easy
	R01012	Standard
BK virus	Z-Path-BKV	Advanced
	Z-Path-BKV-EASY	Easy
	Z-Path-BKV-std	Standard
Brucella abortus	Z-Path-B.abortus	Advanced
	Z-Path-B.abortus-EASY	Easy
	Z-Path-B.abortus-std	Standard
Brucella genus (all species)	Z-Path-Brucella	Advanced
	Z-Path-Brucella-EASY	Easy
	Z-Path-Brucella-std	Standard
Burkholderia mallei	Z-Path-B.mallei	Advanced
	Z-Path-B.mallei-EASY	Easy
	Z-Path-B.mallei-std	Standard
Campylobacter fetus	Z-Path-C.fetus	Advanced
	Z-Path-C.fetus -EASY	Easy
	Z-Path-C.fetus-std	Standard

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Other - continued		
Name	Product code	Kit format version
Campylobacter fetus subspecies venerealis	Z-Path-C.fetus-venerealis	Advanced
	Z-Path-C.fetus-venerealis-EASY	Easy
	Z-Path-C.fetus-venerealis-std	Standard
Candida auris	Z-Path-C.auris	Advanced
	Z-Path-C.auris-std	Standard
Candida dubliniensis	Z-Path-C.dubliniensis	Advanced
	Z-Path-C.dubliniensis-std	Standard
Candida glabrata	Z-Path-C.glabrata	Advanced
	Z-Path-C.glabrata-std	Standard
Candida parapsilosis	Z-Path-C.parapsilosis	Advanced
	Z-Path-C.parapsilosis-EASY	Easy
	Z-Path-C.parapsilosis-std	Standard
Candida tropicalis	Z-Path-C.tropicalis	Advanced
	Z-Path-C.tropicalis-std	Standard
Chlamydomphila abortus	Z-Path-C.abortus	Advanced
	Z-Path-C.abortus-EASY	Easy
	Z-Path-C.abortus-std	Standard
Clostridium difficile (toxin A)	Z-Path-C.difficile_toxA	Advanced
	Z-Path-C.difficile_toxA-std	Standard
Clostridium difficile (toxin B)	R00961	Advanced
	R00962	Easy
	R01026	Standard
Clostridium sporogenes	Z-Path-C.sporogenes	Advanced
	Z-Path-C.sporogenes-std	Standard
Clostridium tetani	Z-Path-C.tetani	Advanced
	Z-Path-C.tetani-EASY	Easy
	Z-Path-C.tetani-std	Standard
Dobrava-Belgrade virus	Z-Path-DOBV	Advanced
	Z-Path-DOBV-std	Standard
Encephalitozoon species	Z-Path-Encephalitozoon_spp	Advanced
	Z-Path-Encephalitozoon_spp-std	Standard
Enterocytozoon bienersi	R00987	Advanced
	R00988	Easy
	R01019	Standard
Eukaryota	Z-Path-Eukaryota	Advanced
	Z-Path-Eukaryota-std	Standard
Fusobacterium nucleatum	Z-Path-F.nucleatum	Advanced
	Z-Path-F.nucleatum-std	Standard
Francisella tularensis	Z-Path-F.tularensis	Advanced
	Z-Path-F.tularensis-EASY	Easy
	Z-Path-F.tularensis-std	Standard
H10N8	Z-Path-H10N8	Advanced
	Z-Path-H10N8-std	Standard
Hand, foot and mouth disease	Z-Path-HFMD	Advanced
	Z-Path-HFMD-std	Standard

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Other - continued		
Name	Product code	Kit format version
Human Enterovirus species	Z-Path-Enterovirus	Advanced
	Z-Path-Enterovirus-EASY	Easy
	Z-Path-Enterovirus-std	Standard
Human Parvovirus B19	Z-Path-HPVB19	Advanced
	Z-Path-HPVB19-EASY	Easy
	Z-Path-HPVB19-std	Standard
Human Papillomavirus 6	Z-Path-HPV6	Advanced
	Z-Path-HPV6-EASY	Easy
	Z-Path-HPV6-std	Standard
Human Papillomavirus 11	Z-Path-HPV11	Advanced
	Z-Path-HPV11-EASY	Easy
	Z-Path-HPV11-std	Standard
Human Papillomavirus 16	Z-Path-HPV16	Advanced
	Z-Path-HPV16-EASY	Easy
	Z-Path-HPV16-std	Standard
Human Papillomavirus 18	Z-Path-HPV18	Advanced
	Z-Path-HPV18-EASY	Easy
	Z-Path-HPV18-std	Standard
Human Papillomavirus 31	Z-Path-HPV31	Advanced
	Z-Path-HPV31-EASY	Easy
	Z-Path-HPV31-std	Standard
Human Papillomavirus 33	Z-Path-HPV33	Advanced
	Z-Path-HPV33-EASY	Easy
	Z-Path-HPV33-std	Standard
Human Papillomavirus 45	Z-Path-HPV45	Advanced
	Z-Path-HPV45-EASY	Easy
	Z-Path-HPV45-std	Standard
Human Papillomavirus 52	Z-Path-HPV52	Advanced
	Z-Path-HPV52-std	Standard
Human Papillomavirus 58	Z-Path-HPV58	Advanced
	Z-Path-HPV58-std	Standard
Human Polyomavirus 6	Z-Path-HPyV6	Advanced
	Z-Path-HPyV6-std	Standard
Human Polyomavirus 7	Z-Path-HPyV7	Advanced
	Z-Path-HPyV7-std	Standard
Human Polyomavirus 9	Z-Path-HPyV9	Advanced
	Z-Path-HPyV9-std	Standard
Human T-lymphotropic virus Type I	Z-Path-HTLV-1	Advanced
	Z-Path-HTLV-1-std	Standard
Human T-lymphotropic virus Type 2	Z-Path-HTLV-2	Advanced
	Z-Path-HTLV-2-std	Standard
Ilheus virus	Z-Path-ILHV-EASY	Easy
Influenza A H7N9	Z-Path-H7N9	Advanced
	Z-Path-H7N9-EASY	Easy
	Z-Path-H7N9-std	Standard
Klebsiella oxytoca	Z-Path-K.oxytoca	Advanced
	Z-Path-K.oxytoca-EASY	Easy
	Z-Path-K.oxytoca-std	Standard

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Other - continued		
Name	Product code	Kit format version
Klebsiella pneumoniae	Z-Path-K.pneumoniae	Advanced
	Z-Path-K.pneumoniae-EASY	Easy
	Z-Path-K.pneumoniae-std	Standard
Klebsiella pneumoniae capsule type 1	Z-Path-K.pneumoniae_cap-1	Advanced
	Z-Path-K.pneumoniae_cap-1-std	Standard
Klebsiella pneumoniae capsule type 2	Z-Path-K.pneumoniae_cap-2	Advanced
	Z-Path-K.pneumoniae_cap-2-std	Standard
Klebsiella pneumoniae capsule type 5	Z-Path-K.pneumoniae_cap-5	Advanced
	Z-Path-K.pneumoniae_cap-5-std	Standard
Lactobacillus acidophilus	Z-Path-L.acidophilus	Advanced
	Z-Path-L.acidophilus-EASY	Easy
	Z-Path-L.acidophilus-std	Standard
Lassa virus Josiah	Z-Path-LASV-Josiah	Advanced
	Z-Path-LASV-Josiah-EASY	Easy
	Z-Path-LASV-Josiah-std	Standard
Legionella longbeachae	Z-Path-L.longbeachae	Advanced
	Z-Path-L.longbeachae-std	Standard
Lyme disease	Z-Path-Lyme disease	Advanced
	Z-Path-Lyme disease-EASY	Easy
	Z-Path-Lyme disease-std	Standard
Malassezia restricta	Z-Path-M.restricta	Advanced
	Z-Path-M.restricta-std	Standard
Marburgvirus	Z-Path-MBGV	Advanced
	R00989	Easy
	Z-Path-MBGV-std	Standard
Merkel cell polyomavirus	Z-Path-MCPyV	Advanced
	Z-Path-MCPyV-std	Standard
Methicillin-resistant Staphylococcus aureus	Z-Path-MRSA	Advanced
	Z-Path-MRSA-EASY	Easy
	Z-Path-MRSA-std	Standard
Methicillin-resistant Staphylococcus aureus with Staphylococcal cassette chromosome mec (SCC mec)	Z-Path-MRSA_SCC_global	Advanced
	Z-Path-MRSA_SCC_global-std	Standard
Methicillin-resistant Staphylococcus aureus with Staphylococcal cassette chromosome mec (SCC mec) type IVa	Z-Path-MRSA_SCC_IVa	Advanced
	Z-Path-MRSA_SCC_IVa-std	Standard
Mopeia virus	Z-Path-MOPV	Advanced
Mumps virus	Z-Path-Mumps	Advanced
	Z-Path-Mumps-EASY	Easy
	Z-Path-Mumps-std	Standard
Mycobacterium avium	Z-Path-M.avium	Advanced
	Z-Path-M.avium-EASY	Easy
	Z-Path-M.avium-std	Standard
Mycobacterium fortuitum	Z-Path-M.fortuitum	Advanced
	Z-Path-M.fortuitum-std	Standard

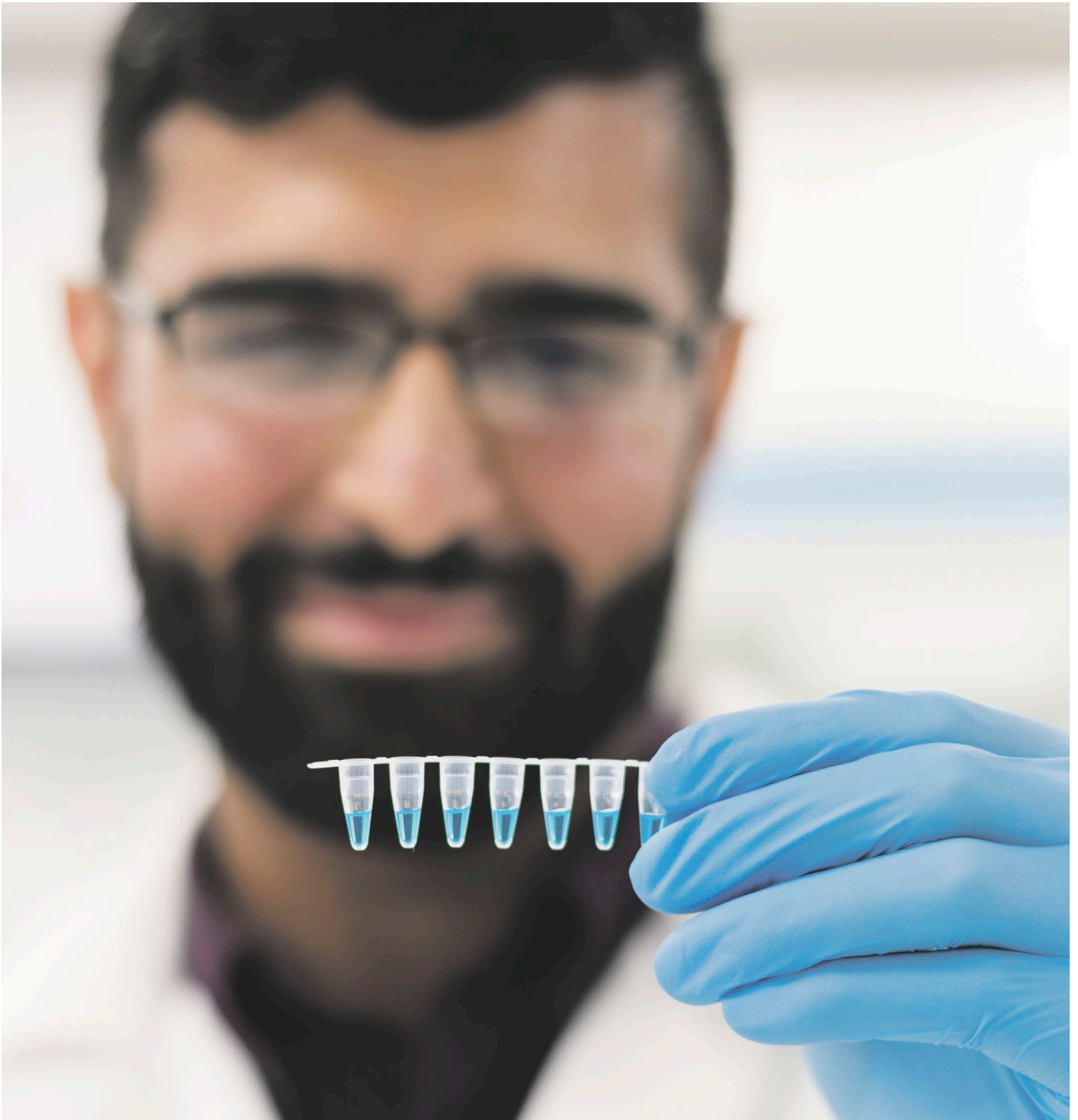
Other - continued		
Name	Product code	Kit format version
Mycobacterium leprae (Leprosy)	Z-Path-Leprosy	Advanced
	Z-Path-Leprosy-std	Standard
Mycobacterium marinum and ulcerans	Z-Path-M.marin/M.ulcer	Advanced
	Z-Path-M.marin/M.ulcer-EASY	Easy
	Z-Path-M.marin/M.ulcer-std	Standard
Mycoplasma	Z-Path-Mycoplasma	Advanced
	Z-Path-Mycoplasma-EASY	Easy
	Z-Path-Mycoplasma-std	Standard
Mycoplasma fermentans	Z-Path-M.fermentans	Advanced
	Z-Path-M.fermentans-std	Standard
Mycoplasma hominis	Z-Path-M.hominis-v1.1	Advanced
	Z-Path-M.hominis-v1.1-std	Standard
Mycoplasma orale	Z-Path-M.orale	Advanced
	Z-Path-M.orale-std	Standard
Mycoplasma salivarium	Z-Path-M.salivarium	Advanced
	Z-Path-M.salivarium-std	Standard
Naegleria Fowleri	Z-Path-N.fowleri	Advanced
	Z-Path-N.fowleri-std	Standard
Naegleria Species	Z-Path-Naegleria_spp	Advanced
	Z-Path-Naegleria_spp-std	Standard
O'nyong-nyong virus	Z-Path-ONNV-EASY	Easy
Orientia tsutsugamushi	Z-Path-O.tsutsugamushi	Advanced
	Z-Path-O.tsutsugamushi-std	Standard
Oxalobacter formigenes	Z-Path-O.formigenes	Advanced
	Z-Path-O.formigenes-std	Standard
Pasteurella multocida	Z-Path-P.multocida	Advanced
	Z-Path-P.multocida-EASY	Easy
	Z-Path-P.multocida-std	Standard
Pneumocystis jirovecii	Z-Path-P.jirovecii	Advanced
	Z-Path-P.jirovecii-EASY	Easy
	Z-Path-P.jirovecii-std	Standard
Propionibacterium acnes	Z-Path-P.acnes	Advanced
	Z-Path-P.acnes-std	Standard
Proteus mirabilis	Z-Path-P.mirabilis	Advanced
	Z-Path-P.mirabilis-EASY	Easy
	Z-Path-P.mirabilis-std	Standard
Pseudomonas aeruginosa	Z-Path-P.aeruginosa	Advanced
	Z-Path-P.aeruginosa-EASY	Easy
	Z-Path-P.aeruginosa-std	Standard
Rabies Virus	Z-Path-Rabies	Advanced
	Z-Path-Rabies-EASY	Easy
	Z-Path-Rabies-std	Standard
Reston ebola virus	Z-Path-RESTV	Advanced
	Z-Path-RESTV-std	Standard
Rickettsia (all species)	Z-Path-Rickettsia_spp	Advanced
	Z-Path-Rickettsia_spp-EASY	Easy
	Z-Path-Rickettsia_spp-std	Standard
Rickettsia prowazekii	Z-Path-R.prowazekii	Advanced
	Z-Path-R.prowazekii-std	Standard

qPCR test kits **human pathogen**

Other - continued		
Name	Product code	Kit format version
Rift Valley Fever Virus	Z-Path-RVFFV	Advanced
	Z-Path-RVFFV-std	Standard
Rubella virus	Z-Path-Rubella	Advanced
	Z-Path-Rubella-std	Standard
Semliki Forest virus	Z-Path-SFV-EASY	Easy
Serratia marcescens	R00985	Advanced
	R00986	Easy
	R01018	Standard
Simian Virus 40	Z-Path-SV40	Advanced
	Z-Path-SV40-std	Standard
Sin Nombre Virus	Z-Path-SNV	Advanced
	Z-Path-SNV-std	Standard
Staphylococcus aureus	Z-Path-S.aureus	Advanced
	Z-Path-S.aureus-EASY	Easy
	Z-Path-S.aureus-std	Standard
Staphylococcus epidermidis	Z-Path-S.epidermidis	Advanced
	Z-Path-S.epidermidis-EASY	Easy
	Z-Path-S.epidermidis-std	Standard
Staphylococcus haemolyticus	Z-Path-S.haemolyticus	Advanced
	Z-Path-S.haemolyticus-EASY	Easy
	Z-Path-S.haemolyticus-std	Standard
Streptococcus agalactiae	Z-Path-S.agalactiae	Advanced
	Z-Path-S.agalactiae-EASY	Easy
	Z-Path-S.agalactiae-std	Standard
Streptococcus dysgalactiae	Z-Path-S.dysgalactiae	Advanced
	Z-Path-S.dysgalactiae-std	Standard
Streptococcus mitis	Z-Path-S.mitis	Advanced
	Z-Path-S.mitis-std	Standard
Streptococcus oralis	Z-Path-S.oralis	Advanced
	Z-Path-S.oralis-std	Standard
Streptococcus pneumoniae	Z-Path-S.pneu	Advanced
	Z-Path-S.pneu-EASY	Easy
	Z-Path-S.pneu-std	Standard
Streptococcus pyogenes	R00983	Advanced
	R00984	Easy
	R01017	Standard
Streptococcus sanguinis	Z-Path-S.sanguinis	Advanced
	Z-Path-S.sanguinis-std	Standard
Sudan Ebola Virus	Z-Path-SUDV	Advanced
	Z-Path-SUDV-std	Standard
Tai Forest Ebola Virus	Z-Path-TAFV	Advanced
	Z-Path-TAFV-std	Standard
Toxoplasma gondii	Z-Path-Toxoplasma	Advanced
	Z-Path-Toxoplasma-EASY	Easy
	Z-Path-Toxoplasma-std	Standard

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Other - continued		
Name	Product code	Kit format version
Ureaplasma parvum	Z-Path-U.parvum	Advanced
	Z-Path-U.parvum-std	Standard
Yersinia pestis	R00756	Advanced
Zaire Ebola virus	Z-Path-EBOV	Advanced
	Z-Path-EBOV-std	Standard
Zaire and Sudan Ebola virus	R00965	Advanced





qPCR test kits food, water and agriculture

qPCR testing methods are proven to be the fastest and most accurate way for screening water and food.

We offer highly sensitive kits for food borne pathogens, agriculture, meat and fish speciation, allergen testing and water contaminants.

- ✓ Pathogen contamination
- ✓ Speciation
- ✓ Allergen
- ✓ Others

Pathogen detection		
Name	Product code	Kit format version
Alpha toxin producing Clostridium perfringens	Z-Path-C.perfringens_cpa	Advanced
	Z-Path-C.perfringens_cpa-EASY	Easy
	Z-Path-C.perfringens_cpa-std	Standard
Aspergillus species	Z-Path-Asp	Advanced
	Z-Path-Asp-EASY	Easy
	Z-Path-Asp-std	Standard
Bacillus cereus E33	Z-Path-B.cereus E33	Advanced
Brucella abortus	Z-Path-B.abortus	Advanced
	Z-Path-B.abortus-EASY	Easy
	Z-Path-B.abortus-std	Standard
Brucella genus (all species)	Z-Path-Brucella	Advanced
	Z-Path-Brucella-EASY	Easy
	Z-Path-Brucella-std	Standard
Campylobacter Coli	Z-Path-C.Coli	Advanced
	Z-Path-C.Coli-EASY	Easy
	Z-Path-C.Coli-std	Standard
Campylobacter Jejuni	Z-Path-C.jejuni	Advanced
	Z-Path-C.jejuni-EASY	Easy
	Z-Path-C.jejuni-std	Standard
Campylobacter coli and Campylobacter jejuni	Z-Path-C.coli/C.jejuni	Advanced
	Z-Path-C.coli/C.jejuni-EASY	Easy
	Z-Path-C.coli/C.jejuni-std	Standard
Clostridium botulinum toxin D	Z-Path-C.botulinum_toxD	Advanced
	Z-Path-C.botulinum_toxD-std	Standard
Clostridium difficile (toxin A)	Z-Path-C.difficile_toxA	Advanced
	Z-Path-C.difficile_toxA-std	Standard
Clostridium difficile (toxin B)	R00961	Advanced
	R00962	Easy
	R01026	Standard

qPCR test kits food, water and agriculture

Pathogen detection - <i>continued</i>		
Name	Product code	Kit format version
Clostridium estertheticum	Z-Path-C.estertheticum	Advanced
	Z-Path-C.estertheticum-EASY	Easy
	Z-Path-C.estertheticum-std	Standard
Coxiella burnetii	Z-Path-C.burnetii	Advanced
	Z-Path-C.burnetii-EASY	Easy
	Z-Path-C.burnetii-std	Standard
Crimean-Congo Haemorrhagic Fever Virus	Z-Path-CCHFV	Advanced
	Z-Path-CCHFV-std	Standard
Cryptosporidium parvum	Z-Path-C.parvum	Advanced
	Z-Path-C.parvum-std	Standard
Entamoeba histolytica	Z-Path-E.histolytica	Advanced
	Z-Path-E.histolytica-EASY	Easy
	Z-Path-E.histolytica-std	Standard
Enterococcus faecalis	Z-Path-E.faecalis	Advanced
	Z-Path-E.faecalis-EASY	Easy
	Z-Path-E.faecalis-std	Standard
Enterococcus faecium	R00967	Advanced
	R00968	Easy
	R01009	Standard
Enterohemorrhagic Escherichia coli	Z-Path-EHEC	Advanced
	Z-Path-EHEC-std	Standard
Enteroinvasive Escherichia coli	Z-Path-EIEC	Advanced
	Z-Path-EIEC-std	Standard
Enteropathogenic Escherichia coli	Z-Path-EPEC	Advanced
	Z-Path-EPEC-EASY	Easy
	Z-Path-EPEC-std	Standard
Enterotoxigenic Escherichia coli	Z-Path-ETEC	Advanced
	Z-Path-ETEC-EASY	Easy
	Z-Path-ETEC-std	Standard
Escherichia coli (all strains)	Z-Path-E.coli_spp	Advanced
	Z-Path-E.coli_spp-EASY	Easy
	Z-Path-E.coli_spp-std	Standard
Escherichia coli O157:H7	Z-Path-E.coli_O157-v2.0	Advanced
	Z-Path-E.coli_O157-EASY-v2.0	Easy
	Z-Path-E.coli_O157-std-v2.0	Standard
Escherichia coli O104:H4	Z-Path-E.coli_O104:H4	Advanced
Francisella tularensis	Z-Path-F.tularensis	Advanced
	Z-Path-F.tularensis-EASY	Easy
	Z-Path-F.tularensis-std	Standard
Giardia intestinalis (human infections)	Z-Path-G.intestinalis	Advanced
	Z-Path-G.intestinalis-EASY	Easy
	Z-Path-G.intestinalis-std	Standard
Hepatitis A Virus	Z-Path-HAV	Advanced
	Z-Path-HAV-EASY	Easy
	Z-Path-HAV-std	Standard

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Pathogen detection - <i>continued</i>		
Name	Product code	Kit format version
Hepatitis E Virus	Z-Path-HEV	Advanced
	Z-Path-HEV-EASY	Easy
	Z-Path-HEV-std	Standard
Human Astrovirus 1-8	Z-Path-HAstV1-8	Advanced
	Z-Path-HAstV1-8-std	Easy
JC virus	R00969	Advanced
	R00970	Easy
	R01010	Standard
Legionella longbeachae	Z-Path-L.longbeachae	Advanced
	Z-Path-L.longbeachae-std	Standard
Legionella pneumophila	Z-Path-L.pneumophila-v1.1	Advanced
	Z-Path-L.pneumophila-v1.1-EASY	Easy
	Z-Path-L.pneumophila-v1.1-std	Standard
Legionella species	Z-Path-Legionella_spp	Advanced
	R01030	Easy
	Z-Path-Legionella_spp-std	Standard
Listeria monocytogenes	Z-Path-L.monocytogenes	Advanced
	Z-Path-L.monocytogenes-EASY	Easy
	Z-Path-L.monocytogenes-std	Standard
Mycobacterium avium subspecies paratuberculosis	Z-Path-Map	Advanced
	Z-Path-Map-EASY	Easy
	Z-Path-Map-std	Standard
Naegleria species	Z-Path-Naegleria_spp	Advanced
	Z-Path-Naegleria_spp-std	Standard
Norovirus genogroups I and II	Z-Path-Norovirus	Advanced
	Z-Path-Norovirus-EASY	Easy
	Z-Path-Norovirus-std	Standard
Pathogenic Salmonella species	Z-Path-Salmonella_invA	Advanced
	Z-Path-Salmonella_invA-EASY	Easy
	Z-Path-Salmonella_invA-std	Standard
Pseudomonas aeruginosa	Z-Path-P.aeruginosa	Advanced
	Z-Path-P.aeruginosa-EASY	Easy
	Z-Path-P.aeruginosa-std	Standard
Human Rotavirus A	Z-Path-Human RotavirusA	Advanced
	Z-Path-Human RotavirusA-std	Standard
Human Rotavirus B	Z-Path-Human RotavirusB	Advanced
	Z-Path-Human RotavirusB-std	Standard
Human Rotavirus C	Z-Path-Human RotavirusC	Advanced
	Z-Path-Human RotavirusC-std	Standard
Salmonella enterica	Z-Path-S.enterica	Advanced
	Z-Path-S.enterica-EASY	Easy
	Z-Path-S.enterica-std	Standard
Shiga toxin (stx1) producing Escherichia coli	Z-Path-E.coli_stx1	Advanced
	Z-Path-E.coli_stx1-std	Standard
Shiga toxin (stx2A) producing Escherichia coli	Z-Path-E.coli_stx2A	Advanced
	Z-Path-E.coli_stx2A-std	Standard
Shiga toxin (stx2f) producing Escherichia coli	Z-Path-E.coli_stx2f	Advanced
	Z-Path-E.coli_stx2f-std	Standard

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Pathogen detection - <i>continued</i>		
Name	Product code	Kit format version
Shigella (all species)	Z-Path-Shigella_spp	Advanced
	Z-Path-Shigella_spp-EASY	Easy
	Z-Path-Shigella_spp-std	Standard
Staphylococcus aureus	Z-Path-S.aureus	Advanced
	Z-Path-S.aureus-EASY	Easy
	Z-Path-S.aureus-std	Standard
Toxigenic subspecies of Vibrio cholerae	Z-Path-V.cholerae	Advanced
	Z-Path-V.cholerae-EASY	Easy
Vibrio species	Z-Path-Vibrio_spp	Advanced
	Z-Path-Vibrio_spp-EASY	Easy
	Z-Path-Vibrio_spp-std	Standard
Propionibacterium acnes	Z-Path-P.acnes	Advanced
	Z-Path-P.acnes-std	Standard
Yersinia enterocolitica	Z-Path-Y.enterocolitica	Advanced
	Z-Path-Y.enterocolitica-EASY	Easy
	Z-Path-Y.enterocolitica-std	Standard



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qPCR kits Speciation

Speciation	Easy AnimalFinder Kit	Easy Speciation Kit	Standard Speciation Kit	Advanced Speciation Kit
qPCR platform compatibility	genesig™ q16/q32	genesig™ q32 and open platform instruments		
Target species primer and probe mix	Y	Y	Y	Y
Positive control	Y	Y	Y	Y
Negative control	Y	Y	Y	Y
Internal extraction control (IEC) primer and probe mix	Y	-	Y	-
Universal meat/fish primer and probe mix	-	Y	-	Y
Lyophilised Master Mix	Y	Y	-	-
Reaction tubes	Y	Y	-	-
Resuspension buffers	Y	Y	Y	Y
Kit size (tests)	50	50	100	100

Select the optimal kit for your sample and application

Sample type	Application	genesig™ Easy AnimalFINDER Kit	genesig™ Easy Speciation Kit	genesig™ Advanced Speciation Kit	genesig™ Standard Speciation Kit
Pharmaceutical sample Cosmetic sample Food manufacture post-clean swab Vegan/Vegetarian food products	Identification of source animal	+++	-	-	+++
Highly processed animal product	Identification of source animal	+++	+	+	+++
	Quantification of potential adulteration	-	++	++	-
Raw/Cooked meat	Identification of source animal	+++	+++	+++	+++
	Quantification of potential adulteration	-	+++	+++	-

+++ Highly suitable ++ Suitable + Suitability is sample dependent - Not suitable

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Meat speciation kits		
Name	Product code	Kit format version
Beef	Z-Path-SS-B.taurus-Adv	Advanced
	Z-Path-SS-B.taurus-EASY	Easy
	Z-Path-SS-B.taurus	Standard
Buffalo	Z-Path-SS-B.bubalis-Adv	Advanced
	Z-Path-SS-B.bubalis-EASY	Easy
	Z-Path-SS-B.bubalis	Standard
Cat	Z-Path-SS-F.catus-EASY	Easy
Chicken	Z-Path-SS-G.gallus-Adv	Advanced
	Z-Path-SS-G.gallus-EASY	Easy
	Z-Path-SS-G.gallus	Standard
Dog	Z-Path-SS-C.familiaris-Adv	Advanced
	Z-Path-SS-C.familiaris-EASY	Easy
	Z-Path-SS-C.familiaris	Standard
Donkey	Z-Path-SS-E.asinus-Adv	Advanced
	Z-Path-SS-E.asinus-EASY	Easy
	Z-Path-SS-E.asinus	Standard
Duck	Z-Path-SS-A.platyrrhynchos-Adv	Advanced
	Z-Path-SS-A.platyrrhynchos-EASY	Easy
	Z-Path-SS-A.platyrrhynchos	Standard
Goat	Z-Path-SS-C.hircus-Adv	Advanced
	Z-Path-SS-C.hircus-EASY	Easy
	Z-Path-SS-C.hircus	Standard
Horse	Z-Path-SS-E.caballus-Adv	Advanced
	Z-Path-SS-E.caballus-EASY	Easy
	Z-Path-SS-E.caballus	Standard
Platypus	Z-Path-SS-O.anatinus	Standard
Pork	Z-Path-SS-S.scrofa-Adv	Advanced
	Z-Path-SS-S.scrofa-EASY	Easy
	Z-Path-SS-S.scrofa	Standard
Sheep	Z-Path-SS-O.aries-Adv	Advanced
	Z-Path-SS-O.aries-EASY	Easy
	Z-Path-SS-O.aries	Standard
Turkey	Z-Path-SS-M.gallopavo-Adv	Advanced
	Z-Path-SS-M.gallopavo-EASY	Easy
	Z-Path-SS-M.gallopavo	Standard
Universal Meat	Z-Path-SS-uni-meat	Standard
Venison	Z-Path-SS-Venison-EASY	Easy
	Z-Path-SS-Venison	Standard
Warthog	Z-Path-SS-P.africanus	Standard

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Fish speciation kits		
Name	Product code	Kit format version
Atlantic cod	Z-Path-SS-G.morhua-EASY	Easy
Coley	Z-Path-SS-P.virens-EASY	Easy
Haddock	Z-Path-SS-M.aeglefinus-EASY	Easy
Pollock	Z-Path-SS-P.pollachius-EASY	Easy
Universal Fish	Z-Path-SS-uni-fish-V2.0	Standard
Whiting	Z-Path-SS-M.merlangus-EASY	Easy

AnimalFINDER kits		
Chicken	Z-Path-AF-G.gallus-EASY	Easy
Cow	Z-Path-AF-B.taurus-EASY	Easy
Horse	Z-Path-AF-E.caballus-EASY	Easy
Pig	Z-Path-AF-S.scrofa-EASY	Easy
Sheep	Z-Path-AF-O.aries-EASY	Easy
Universal meat	Z-Path-AF-uni-meat-EASY	Easy

Allergen		
Celery: apium graveolens	Z-Path-SS-A.graveolens-EASY	Easy
	Z-Path-SS-A.graveolens	Standard
Peanut: Arachis hypogaea	Z-Path-SS-A.hypogaea-EASY	Easy

Others		
Acetobacter species	R00022	Easy
Bifidobacterium bifidum	Z-Path-B.bifidum-EASY	Easy
Botrytis cinerea	Z-Path-B.cinerea	Advanced
	Z-Path-B.cinerea-EASY	Easy
Clavibacter michiganensis subspecies michiganensis	Z-Path-Cmm	Advanced
	Z-Path-Cmm-EASY	Easy
	Z-Path-Cmm-std	Standard
Candidatus Liberibacter asiaticus	Z-Path-C.L.Asiaticus	Advanced
	Z-Path-C.L.Asiaticus-EASY	Easy
	Z-Path-C.L.Asiaticus-std	Standard
Clostridium sporogenes	Z-Path-C.sporogenes	Advanced
	Z-Path-C.sporogenes-std	Standard
Dekkera bruxellensis	Z-Path-D.bruxellensis	Advanced
	Z-Path-D.bruxellensis-EASY	Easy
Epicoccum nigrum	Z-Path-E.nigrum	Advanced
	Z-Path-E.nigrum-std	Easy
Eubacteria	Z-Path-Eubacteria	Advanced
	Z-Path-Eubacteria-EASY	Easy
	Z-Path-Eubacteria-std	Standard
Fusarium species	Z-Path-Fusarium_spp	Advanced
	Z-Path-Fusarium_spp-EASY	Easy
	Z-Path-Fusarium_spp-std	Standard
Geobacillus stearothermophilus	Z-Path-G.stearothermoph	Advanced
	Z-Path-G.stearothermoph-std	Standard

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Others - continued		
Name	Product code	Kit format version
	Z-Path-G.stearothermoph-std	Standard
Hop resistant Lactobacillus and Pediococcus species	Z-Path-HorA/HorC	Advanced
	Z-Path-HorA/HorC-EASY	Easy
	Z-Path-HorA/HorC-std	Standard
Lactobacillus acidophilus	Z-Path-L.acidophilus	Advanced
	Z-Path-L.acidophilus-EASY	Easy
	Z-Path-L.acidophilus-std	Standard
Lactococcus lactis	Z-Path-L.lactis	Advanced
	Z-Path-L.lactis-std	Standard
Maize chlorotic mottle virus	Z-Path-MCMV	Advanced
	Z-Path-MCMV-std	Standard
Maize mosaic nucleorhabdovirus	Z-Path-MMV	Advanced
	Z-Path-MMV-std	Standard
Megasphaera cerevisiae/ Megasphaera elsdenii	Z-Path-M.cerevi/M.elsden	Advanced
	Z-Path-M.cerevi/M.elsden-EASY	Easy
	Z-Path-M.cerevi/M.elsden-std	Standard
Nitrosomonas eutropha	Z-Path-N.eutropha	Advanced
Nitrosomonas marina	Z-Path-N.marina	Advanced
Pectinatus Genus/Species	Z-Path-Pectinatus_spp	Advanced
	Z-Path-Pectinatus_spp-EASY	Easy
	Z-Path-Pectinatus_spp-std	Standard
Pediococcus genus/species	Z-Path-Pediococcus_spp	Advanced
	Z-Path-Pediococcus_spp-EASY	Easy
	Z-Path-Pediococcus_spp-std	Standard
Pichia kudriavzevii	Z-Path-P.kudriavzevii	Advanced
	Z-Path-P.kudriavzevii-std	Standard
Potato mop-top virus	Z-Path-PMTV	Advanced
	Z-Path-PMTV-EASY	Easy
	Z-Path-PMTV-std	Standard
Saccharomyces cerevisiae	Z-Path-S.cerevisiae	Advanced
	Z-Path-S.cerevisiae-EASY	Easy
	Z-Path-S.cerevisiae-std	Standard
Saccharomyces cerevisiae variety diastaticus	Z-Path-S.diastaticus-EASY	Easy
Spiroplasma citri	Z-Path-S.citri	Advanced
	Z-Path-S.citri-std	Standard
Spongospora subterranea f. sp. Subterranea	Z-Path-S.subterranea	Advanced
	Z-Path-S.subterranea-EASY	Easy
	Z-Path-S.subterranea-std	Standard
Staphylococcus aureus	Z-Path-S.aureus	Advanced
	Z-Path-S.aureus-EASY	Easy
	Z-Path-S.aureus-std	Standard
Streptococcus sanguinis	Z-Path-S.sanguinis	Advanced
	Z-Path-S.sanguinis-std	Standard
Sugarcane mosaic virus	Z-Path-SCMV	Advanced
	Z-Path-SCMV-std	Standard

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Others - continued

Name	Product code	Kit format version
Tellurite resistant Escherichia coli	Z-Path-E.coli_TeR	Advanced
	Z-Path-E.coli_TeR-std	Standard
Ureaplasma parvum	Z-Path-U.parvum	Advanced
	Z-Path-U.parvum-std	Standard
Vibrio cholerae all subspecies	Z-Path-V.cholerae_subsp	Advanced
	Z-Path-V.cholerae_subsp-EASY	Easy
	Z-Path-V.cholerae_subsp-std	Standard
Zygosaccharomyces bailii	Z-Path-Z.bailii	Advanced
Zygosaccharomyces rouxii	Z-Path-Z.rouxii-EASY	Easy
Zygosaccharomyces species	R00032	Easy





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Beer spoilage detection qPCR test kits

Spoilage

Early detection of bacteria is the best method to avoid beer and beverage spoilage. Spoilage bacteria form as part of the natural decay in the brewing process and can result in wasted product and loss of profit. Detecting these bacteria in yeast stocks or in brewing equipment is the fastest and easiest way to avoid a problem.

Campden BRI evaluation

The kits have been evaluated by Campden BRI - the UK's largest independent organisation and validation body supporting the food and drinks industry worldwide.

Open platform

The genesig™ range includes kits developed for open platform qPCR instruments, to give our customers the highest level of flexibility.

Hop resistant Lactobacillus and Pediococcus species

Hop resistant genes horA and horC, when found in the species lactobacillus and pediococcus, enable these lactic acid producing bacteria to grow in beer. This results in beer with bitter and unpleasant flavours.

Pectinatus

Pectinatus bacteria cause beer spoilage by producing off flavours and turbidity. Detection of these bacteria is currently carried out using conventional microbiology. However, this is complicated by the strict anaerobic conditions and lengthy incubation times required for their cultivation. Consequently, there is a need for rapid detection methods.

Pediococcus

Pediococcus is a very common spoilage bacteria often considered one of the most difficult types of bacteria to remove from an infected brewery. Pediococci cause high acidity, buttery aroma and inhibit yeast growth, which results in decreased fermentation rates.

Saccharomyces cerevisiae variety diastaticus

Saccharomyces cerevisiae variety diastaticus is a spoilage yeast in beer. Its ability for super-attenuation causes increased carbon dioxide concentrations, beer gushing and potential bottle explosion, as well as changes in flavour, sedimentation and increased turbidity.

Spoilage detection		
Name	Product code	Kit format version
Hop resistant Lactobacillus and Pediococcus species	Z-Path-HorA/HorC	Advanced
	Z-Path-HorA/HorC-EASY	Easy
	Z-Path-HorA/HorC-std	Standard
Pediococcus genus	Z-Path-Pediococcus_spp	Advanced
	Z-Path-Pediococcus_spp-EASY	Easy
	Z-Path-Pediococcus_spp-std	Standard
Pectinatus genus	Z-Path-Pectinatus_spp	Advanced
	Z-Path-Pectinatus_spp-EASY	Easy
	Z-Path-Pectinatus_spp-std	Standard
Saccharomyces cerevisiae var. diastaticus	Z-Path-S.diastaticus-EASY	Easy



qPCR test kits **veterinary pathogens**

The veterinary range is currently the fastest growing part of the genesig™ portfolio.

qPCR based veterinary kits attract a lot of attention and this product range addresses some truly unique challenges in the field.

Veterinary pathogens		
Name	Product code	Kit format version
Acholeplasma laidlawii	Z-Path-A.laidlawii	Advanced
	Z-Path-A.laidlawii-std	Standard
Aeromonas salmonicida	Z-Path-A.salmonicida	Advanced
	Z-Path-A.salmonicida-EASY	Easy
	Z-Path-A.salmonicida-std	Standard
African Horse Sickness Virus	Z-Path-AHSV	Advanced
	Z-Path-AHSV-std	Standard
African swine fever virus	Z-Path-ASFV	Advanced
	Z-Path-ASFV-EASY	Easy
	Z-Path-ASFV-std	Standard
Aleutian Disease Virus	Z-Path-AIDV	Advanced
	Z-Path-AIDV-EASY	Easy
	Z-Path-AIDV-std	Standard
All Encephalitozoon species	Z-Path-Encephalitozoon_spp	Advanced
	Z-Path-Encephalitozoon_spp-std	Standard
All pathogenic Salmonella species	Z-Path-Salmonella_invA	Advanced
	Z-Path-Salmonella_invA-EASY	Easy
	Z-Path-Salmonella_invA-std	Standard
Anaplasma phagocytophilum	Z-Path-A.phagocytophilum	Advanced
	Z-Path-A.phagocytophilum-EASY	Easy
	Z-Path-A.phagocytophilum-std	Standard
Anaplasma platys	R00617	Advanced
	Z-Path-A.platys-EASY	Easy
Asinine herpesvirus-3 (AHV-3)	R01027	Easy
Aspergillus	Z-Path-Asp	Advanced
	Z-Path-Asp-EASY	Easy
	Z-Path-Asp-std	Standard
Aspergillus fumigatus	Z-Path-A.fumigatus	Advanced
	Z-Path-A.fumigatus-EASY	Easy
	Z-Path-A.fumigatus-std	Standard
Avian adenovirus Egg Drop Syndrome	Z-Path-EDS	Advanced
	Z-Path-EDS-std	Standard
Avian Infectious Bronchitis Virus (IBV)	Z-Path-IBV	Advanced
	Z-Path-IBV-EASY	Easy
	Z-Path-IBV-std	Standard
Avian Influenza A Virus Subtype H5	R00971	Advanced
	R00972	Easy
	R01011	Standard

qPCR test kits **veterinary pathogens**

Veterinary pathogens - <i>continued</i>		
Name	Product code	Kit format version
Avian Influenza A Virus Subtype H5N1	R00973	Advanced
	R00974	Standard
	R01012	Advanced
Avian Influenza A Virus Subtype H5N6	Z-Path-H5N6	Easy
Avian Influenza A Virus Subtype H5N8	R00981	Standard
	R00982	Advanced
	R01016	Standard
Avian Influenza A Virus Subtype H6	Z-Path-H6	Advanced
Avian Influenza A Virus Subtype H7	Z-Path-H7	Easy
	Z-Path-H7-EASY	Standard
	Z-Path-H7-std	Advanced
Avian Influenza A Virus Subtype H7N1	R00977	Easy
	R01014	Standard
Avian Influenza A Virus Subtype H7N9	Z-Path-H7N9	Advanced
	Z-Path-H7N9-EASY	Standard
	Z-Path-H7N9-std	Advanced
Avian Influenza A Virus Subtype H9	Z-Path-H9	Easy
	Z-Path-H9-std	Standard
"Avian Influenza A Virus Subtype H9N1"	R00978	Advanced
	R01015	Easy
Avian Influenza A Virus Subtype H10N8	Z-Path-H10N8	Standard
	Z-Path-H10N8-std	Advanced
Avian orthoreovirus	Z-Path-A.orthoreovirus	Easy
	Z-Path-A.orthoreovirus-EASY	Easy
	Z-Path-A.orthoreovirus-std	Advanced
Babesia caballi	Z-Path-B.caballi	Easy
	Z-Path-B.caballi-EASY	Standard
Babesia canis	Z-Path-B.canis	Advanced
	Z-Path-B.canis-EASY	Easy
	Z-Path-B.canis-std	Standard
Babesia divergens	Z-Path-B.divergens-std	Advanced
Babesia gibsoni	Z-Path-B.gibsoni	Standard
	Z-Path-B.gibsoni-std	Advanced
Bacillus anthracis	Z-Path-B.anthraxis	Easy
	Z-Path-B.anthraxis-EASY	Standard
	Z-Path-B.anthraxis-std	Advanced
Bartonella henselae	Z-Path-B.henselae	Advanced
	Z-Path-B.henselae-EASY	Easy
	Z-Path-B.henselae-std	Standard
Beak and Feather Disease Virus	Z-Path-BFDV	Advanced
	Z-Path-BFDV-EASY	Easy
	Z-Path-BFDV-std	Standard
Betanodavirus	Z-Path-Betanodavirus	Advanced
Bibersteinia trehalosi	Z-Path-B.trehalosi	Advanced
	Z-Path-B.trehalosi-std	Standard

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Veterinary pathogens - <i>continued</i>		
Name	Product code	Kit format version
Bluetongue Virus	Z-Path-BTV-v3.0	Advanced
	Z-Path-BTV-v3.0-EASY	Easy
	Z-Path-BTV-v3.0-std	Standard
Bovine adenovirus 3	Z-Path-BAdV-3	Advanced
	Z-Path-BAdV-3-std	Standard
Bovine adenovirus 5,6 and 8	Z-Path-BAdV-5/6/8-std	Standard
Bovine ephemeral fever virus	Z-Path-BEFV-v2.0	Advanced
Bovine herpesvirus 1	Z-Path-BHV-1	Advanced
	Z-Path-BHV-1-EASY	Easy
	Z-Path-BHV-1-std	Standard
Bovine Leukemia Virus	Z-Path-BLV-v1.1	Advanced
	Z-Path-BLV-v1.1-EASY	Easy
	Z-Path-BLV-std-v1.1	Standard
Bovine Parvovirus	Z-Path-BPV	Advanced
	Z-Path-BPV-std	Standard
Bovine viral diarrhoea virus and Border Disease	Z-Path-BVDV & BDV	Advanced
	Z-Path-BVDV & BDV-EASY	Easy
	Z-Path-BVDV & BDV-std	Standard
Brucella abortus	Z-Path-B.abortus	Advanced
	Z-Path-B.abortus-EASY	Easy
	Z-Path-B.abortus-std	Standard
Brucella melitensis	Z-Path-B.Melitensis	Advanced
Budgerigar Fledgling Disease Virus (avian polyomavirus)	Z-Path-APV	Advanced
	Z-Path-APV-EASY	Easy
	Z-Path-APV-std	Standard
Burkholderia mallei	Z-Path-B.mallei	Advanced
	Z-Path-B.mallei-EASY	Easy
	Z-Path-B.mallei-std	Standard
Camelpox virus	Z-Path-Camelpox	Advanced
	Z-Path-Camelpox-std	Standard
Campylobacter Coli	Z-Path-C.Coli	Advanced
	Z-Path-C.Coli-EASY	Easy
	Z-Path-C.Coli-std	Standard
Campylobacter coli and Campylobacter jejuni	Z-Path-C.coli/C.jejuni	Advanced
	Z-Path-C.coli/C.jejuni-EASY	Easy
	Z-Path-C.coli/C.jejuni-std	Standard
Campylobacter fetus	Z-Path-C.fetus	Advanced
	Z-Path-C.fetus -EASY	Easy
	Z-Path-C.fetus-std	Standard
Campylobacter fetus subspecies venerialis	Z-Path-C.fetus-venerialis	Advanced
	Z-Path-C.fetus-venerialis-EASY	Easy
	Z-Path-C.fetus-venerialis-std	Standard
Campylobacter Jejuni	Z-Path-C.jejuni	Advanced
	Z-Path-C.jejuni-EASY	Easy
	Z-Path-C.jejuni-std	Standard
Candidatus Branchiomonas cysticola	Z-Path-Ca.B.cysticola	Advanced
	Z-Path-Ca.B.cysticola-EASY	Easy
	Z-Path-Ca.B.cysticola-std	Standard

qPCR test kits **veterinary pathogens**

Veterinary pathogens - <i>continued</i>		
Name	Product code	Kit format version
Candidatus Mycoplasma haemominutum	Z-Path-C.M.haemominutum	Advanced
	Z-Path-C.M.haemominutum-EASY	Easy
	Z-Path-C.M.haemominutum-std	Standard
Candidatus Mycoplasma turicensis	Z-Path-C.M.turicensis-std	Standard
Canine adenovirus 1	Z-Path-CAv-1	Advanced
	Z-Path-CAv-1-std	Standard
Canine adenovirus 2	Z-Path-CAv-2	Advanced
	Z-Path-CAv-2-std	Standard
Canine coronavirus	Z-Path-CCV	Advanced
	Z-Path-CCV-std	Standard
Canine Distemper Virus	Z-Path-CDV	Advanced
	Z-Path-CDV-EASY	Easy
	Z-Path-CDV-std	Standard
Canine herpes virus	Z-Path-CHV	Advanced
	Z-Path-CHV-EASY	Easy
	Z-Path-CHV-std	Standard
Canine influenza (H3N2)	Z-Path-H3N2	Advanced
Canine influenza (H3N8)	Z-Path-H3N8	Advanced
	Z-Path-H3N8-std	Standard
Canine Norovirus	Z-Path-CNV	Advanced
	Z-Path-CNV-std	Standard
Canine parainfluenza virus	Z-Path-CPIV	Advanced
	Z-Path-CPIV-std	Standard
Canine Pneumovirus	Z-Path-CnPnV	Advanced
Capripoxvirus	Z-Path-CaPV	Advanced
	Z-Path-CaPV-std	Standard
Carnivore protoparvovirus 1	Z-Path-CPPV-1	Advanced
	Z-Path-CPPV-1-EASY	Easy
	Z-Path-CPPV-1-std	Standard
Chicken anemia virus	Z-Path-CAV	Advanced
	Z-Path-CAV-EASY	Easy
	Z-Path-CAV-std	Standard
Chlamydiaceae (all species)	Z-Path-Chlamydia	Advanced
	Z-Path-Chlamydia-EASY	Easy
	Z-Path-Chlamydia-std	Standard
Chlamydophila abortus	Z-Path-C.abortus	Advanced
	Z-Path-C.abortus-EASY	Easy
	Z-Path-C.abortus-std	Standard
Chlamydophila felis	Z-Path-C.felis	Advanced
	Z-Path-C.felis-EASY	Easy
	Z-Path-C.felis-std	Standard
Chlamydophila pneumoniae	Z-Path-C.pneumoniae	Advanced
	Z-Path-C.pneumoniae-std	Standard
Chlamydophila psittaci	Z-Path-C.psittaci-v2.0	Advanced
	Z-Path-C.psittaci-EASY-v2.0	Easy
	Z-Path-C.psittaci-std-v2.0	Standard

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Veterinary pathogens - <i>continued</i>		
Name	Product code	Kit format version
Classical swine fever virus	Z-Path-CSFV	Advanced
	Z-Path-CSFV-EASY	Easy
	Z-Path-CSFV-std	Standard
Clostridium tetani	Z-Path-C.tetani	Advanced
	Z-Path-C.tetani-EASY	Easy
	Z-Path-C.tetani-std	Standard
Columbid Circovirus	Z-Path-CoCV-EASY	Easy
	Z-Path-CoCV-std	Standard
Columbid herpesvirus 1	Z-Path-CoHV-1	Advanced
	Z-Path-CoHV-1-EASY	Easy
	Z-Path-CoHV-1-std	Standard
Coxiella burnetii	Z-Path-C.burnetii	Advanced
	Z-Path-C.burnetii-EASY	Easy
	Z-Path-C.burnetii-std	Standard
Crimean-Congo Haemorrhagic Fever Virus	Z-Path-CCHFV	Advanced
	Z-Path-CCHFV-std	Standard
Cryptococcus neoformans	Z-Path-C.neoformans	Advanced
Cryptosporidium	Z-Path-Crypto	Advanced
	Z-Path-Crypto-EASY	Easy
	Z-Path-Crypto-std	Standard
Cyprinid herpesvirus 3	Z-Path-CyHV-3	Advanced
	Z-Path-CyHV-3-std	Standard
Dirofilaria immitis	Z-Path-D.immitis	Advanced
	Z-Path-D.immitis-EASY	Easy
	Z-Path-D.immitis-std	Standard
Dobrava-Belgrade virus	Z-Path-DOBV	Advanced
	Z-Path-DOBV-std	Standard
Duck Hepatitis B Virus	Z-Path-DHBV	Advanced
	Z-Path-DHBV-std	Standard
Echinococcus granulosus	Z-Path-E.granulosus	Advanced
	Z-Path-E.granulosus-std	Standard
Echinococcus multilocularis	Z-Path-E.multilocularis	Advanced
	Z-Path-E.multilocularis-std	Standard
Ehrlichia canis	Z-Path-E.canis	Advanced
	Z-Path-E.canis-EASY	Easy
	Z-Path-E.canis-std	Standard
Encephalitozoon cuniculi	Z-Path-E.cuniculi	Advanced
	Z-Path-E.cuniculi-EASY	Easy
	Z-Path-E.cuniculi-std	Standard
Encephalitozoon species	Z-Path-Encephalitozoon_spp	Advanced
	Z-Path-Encephalitozoon_spp-std	Standard
Enterocytozoon bieneusi	R00987	Advanced
	R00988	Easy
	R01019	Standard
Enterocytozoon hepatopenaei	Z-Path-E.hepatopenaei-EASY	Easy
Enterohemorrhagic Escherichia coli	Z-Path-EHEC	Advanced
	Z-Path-EHEC-std	Standard
Enteroinvasive Escherichia coli	Z-Path-EIEC	Advanced
	Z-Path-EIEC-std	Standard

qPCR test kits **veterinary pathogens**

Veterinary pathogens - <i>continued</i>		
Name	Product code	Kit format version
Enteropathogenic Escherichia coli	Z-Path-EPEC	Advanced
	Z-Path-EPEC-EASY	Easy
Enterotoxigenic Escherichia coli	Z-Path-ETEC	Advanced
	Z-Path-ETEC-EASY	Easy
	Z-Path-ETEC-std	Standard
Epizootic haematopoietic necrosis virus	Z-Path-EHNV	Advanced
	Z-Path-EHNV-EASY	Easy
	Z-Path-EHNV-std	Standard
Epizootic Hemorrhagic Disease Virus	Z-Path-EHDV	Advanced
	Z-Path-EHDV-std	Standard
Equid Herpesvirus 1	Z-Path-EHV-1	Advanced
	Z-Path-EHV-1-EASY	Easy
	Z-Path-EHV-1-std	Standard
Equid Herpesvirus 2	Z-Path-EHV-2	Advanced
	Z-Path-EHV-2-EASY	Easy
	Z-Path-EHV-2-std	Standard
Equid Herpesvirus 3	Z-Path-EHV-3	Advanced
	Z-Path-EHV-3-EASY	Easy
	Z-Path-EHV-3-std	Standard
Equid Herpesvirus 4	Z-Path-EHV-4	Advanced
	Z-Path-EHV-4-EASY	Easy
	Z-Path-EHV-4-std	Standard
Equid Herpesvirus 5	Z-Path-EHV-5	Advanced
	Z-Path-EHV-5-EASY	Easy
	Z-Path-EHV-5-std	Standard
Equine Arteritis Virus	Z-Path-EAV	Advanced
	Z-Path-EAV-EASY	Easy
	Z-Path-EAV-std	Standard
Equine dermatophyt	Z-Path-Equine dermatophyt	Advanced
	R00963	Easy
	Z-Path-Equine dermatophyt-std	Standard
Equine infectious anemia virus	Z-Path-EIAV	Advanced
	Z-Path-EIAV-EASY	Easy
	Z-Path-EIAV-std	Standard
Equine Rhinovirus type 1	Z-Path-ERhV1	Advanced
	Z-Path-ERhV1-EASY	Easy
	Z-Path-ERhV1-std	Standard
Equine Rhinovirus type 2	Z-Path-ERhV2	Advanced
	Z-Path-ERhV2-EASY	Easy
	Z-Path-ERhV2-std	Standard
Equine influenza (H3N8_2019)	Z-Path-H3N8_2019	Advanced
	Z-Path-H3N8_2019-EASY	Easy
	Z-Path-H3N8_2019-std	Standard
Equine/Canine influenza (H3N8 & H7N7)	Z-Path-H3N8&H7N7	Advanced
	Z-Path-H3N8&H7N7-EASY	Easy
	Z-Path-H3N8&H7N7-std	Standard

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Veterinary pathogens - <i>continued</i>		
Name	Product code	Kit format version
Escherichia coli (all strains)	Z-Path-E.coli_spp	Advanced
	Z-Path-E.coli_spp-EASY	Easy
	Z-Path-E.coli_spp-std	Standard
Escherichia coli 0157:H7	Z-Path-E.coli_0157-v2.0	Advanced
	Z-Path-E.coli_0157-EASY-v2.0	Easy
	Z-Path-E.coli_0157-std-v2.0	Standard
Feline calicivirus	Z-Path-FCV-v3.0	Advanced
	Z-Path-FCV-v3.0-EASY	Easy
	Z-Path-FCV-v3.0-std	Standard
Feline coronavirus	Z-Path-FCoV	Advanced
	Z-Path-FCoV-EASY	Easy
	Z-Path-FCoV-std	Standard
Feline Herpesvirus	Z-Path-FHV	Advanced
	Z-Path-FHV-EASY	Easy
	Z-Path-FHV-std	Standard
Feline Immunodeficiency Virus	R00074	Advanced
	R00075	Easy
	R00073	Standard
Feline Leukemia Virus	Z-Path-FeLV	Advanced
	Z-Path-FeLV-EASY	Easy
	Z-Path-FeLV-std	Standard
Flavobacterium psychrophilum	Z-Path-F.psychrophilum	Advanced
	Z-Path-F.psychrophilum-EASY	Easy
	Z-Path-F.psychrophilum-std	Standard
Foot and Mouth Disease Virus	Z-Path-FMDV	Advanced
	Z-Path-FMDV-EASY	Easy
	Z-Path-FMDV-std	Standard
Foot and Mouth Disease Virus type A	Z-Path-FMDV-A	Advanced
	Z-Path-FMDV-A-std	Standard
Foot and Mouth Disease Virus type Asia 1	Z-Path-FMDV-Asia1	Advanced
	Z-Path-FMDV-Asia1-std	Standard
Foot and Mouth Disease Virus type O	Z-Path-FMDV-O	Advanced
	Z-Path-FMDV-O-std	Standard
Fowl adenovirus Serotype 4	Z-Path-FAdV	Advanced
	Z-Path-FAdV-std	Standard
Fowlpox Virus	Z-Path-FpV	Advanced
	Z-Path-FpV-std	Standard
Francisella tularensis	Z-Path-F.tularensis	Advanced
	Z-Path-F.tularensis-EASY	Easy
	Z-Path-F.tularensis-std	Standard
Gallid herpesvirus 1	Z-Path-GaHV-1	Advanced
	Z-Path-GaHV-1-EASY	Easy
	Z-Path-GaHV-1-std	Standard
Gallid herpesvirus 2	Z-Path-GaHV-2	Advanced
	Z-Path-GaHV-2-EASY	Easy
	Z-Path-GaHV-2-std	Standard
Geosmithia argillacea	Z-Path-G.argillacea	Advanced
	Z-Path-G.argillacea-std	Standard

qPCR test kits **veterinary pathogens**

Veterinary pathogens - <i>continued</i>		
Name	Product code	Kit format version
Giardia intestinalis, Assemblage A-F (veterinary infections)	Z-Path-G.intestinalis_A-F	Advanced
	Z-Path-G.intestinalis_A-F-EASY	Easy
	Z-Path-G.intestinalis_A-F-std	Standard
Human Rotavirus A	Z-Path-Human RotavirusA	Advanced
	Z-Path-Human RotavirusA-std	Standard
Human Rotavirus B	Z-Path-Human RotavirusB	Advanced
	Z-Path-Human RotavirusB-std	Standard
Human Rotavirus C	Z-Path-Human RotavirusC	Advanced
	Z-Path-Human RotavirusC-std	Standard
Infectious Bursal Disease Virus (IBDV)	Z-Path-IBDV	Advanced
	Z-Path-IBDV-EASY	Easy
	Z-Path-IBDV-std	Standard
Infectious Hematopoietic Necrosis Virus	Z-Path-IHNV	Advanced
	Z-Path-IHNV-EASY	Easy
	Z-Path-IHNV-std	Standard
Infectious Pancreatic Necrosis Virus	Z-Path-IPNV-v2.0	Advanced
	Z-Path-IPNV-v2.0-EASY	Easy
	Z-Path-IPNV-v2.0-std	Standard
Infectious salmon anemia virus	Z-Path-ISAV	Advanced
	Z-Path-ISAV-EASY	Easy
	Z-Path-ISAV-std	Standard
Infectious salmon anemia virus (avirulent)	Z-Path-ISAV-HPR0-EASY	Easy
Infectious salmon anemia virus (European)	Z-Path-ISAV-EU-EASY	Easy
Infectious spleen and kidney necrosis virus	Z-Path-ISKNV	Advanced
	Z-Path-ISKNV-EASY	Easy
	Z-Path-ISKNV-std	Standard
Israeli Acute Paralysis Virus	Z-Path-IAPV-v1.1	Advanced
	Z-Path-IAPV-std-v1.1	Standard
Klebsiella oxytoca	Z-Path-K.oxytoca	Advanced
	Z-Path-K.oxytoca-EASY	Easy
	Z-Path-K.oxytoca-std	Standard
Klebsiella pneumoniae	Z-Path-K.pneumoniae	Advanced
	Z-Path-K.pneumoniae-EASY	Easy
	Z-Path-K.pneumoniae-std	Standard
Klebsiella pneumoniae capsule type 1	Z-Path-K.pneumoniae_cap-1	Advanced
	Z-Path-K.pneumoniae_cap-1-std	Standard
Klebsiella pneumoniae capsule type 2	Z-Path-K.pneumoniae_cap-2	Advanced
	Z-Path-K.pneumoniae_cap-2-std	Standard
Klebsiella pneumoniae capsule type 5	Z-Path-K.pneumoniae_cap-5	Advanced
	Z-Path-K.pneumoniae_cap-5-std	Standard
Lawsonia intracellularis	Z-Path-L.intracellularis	Advanced
	Z-Path-L.intracellularis-EASY	Easy
	Z-Path-L.intracellularis-std	Standard
Leptospirosis	Z-Path-Leptospirosis	Advanced
	Z-Path-Leptospirosis-EASY	Easy
	Z-Path-Leptospirosis-std	Standard

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Veterinary pathogens - <i>continued</i>		
Name	Product code	Kit format version
Listeria monocytogenes	Z-Path-L.monocytogenes	Advanced
	Z-Path-L.monocytogenes-EASY	Easy
	Z-Path-L.monocytogenes-std	Standard
Lymphocystivirus	Z-Path-LCV	Advanced
	Z-Path-LCV-EASY	Easy
	Z-Path-LCV-std	Standard
Mammalian Babesiosis	Z-Path-Mammalian Babesiosis	Advanced
	Z-Path-Mammal Babesiosis-EASY	Easy
	Z-Path-Mammal Babesiosis-std	Standard
Marburgvirus	Z-Path-MBGV	Advanced
	R00989	Easy
	Z-Path-MBGV-std	Standard
Microsporium canis	Z-Path-M.canis	Advanced
	Z-Path-M.canis-EASY	Easy
	Z-Path-M.canis-std	Standard
Microsporium gypseum	Z-Path-M.gypseum	Advanced
	Z-Path-M.gypseum-std	Standard
Minute virus of canines (Canine minute virus)	Z-Path-MVC	Advanced
	Z-Path-MVC-std	Standard
Mycobacterium avium	Z-Path-M.avium	Advanced
	Z-Path-M.avium-EASY	Easy
	Z-Path-M.avium-std	Standard
Mycobacterium avium subspecies paratuberculosis	Z-Path-Map	Advanced
	Z-Path-Map-EASY	Easy
	Z-Path-Map-std	Standard
Mycoplasma	Z-Path-Mycoplasma	Advanced
	Z-Path-Mycoplasma-EASY	Easy
	Z-Path-Mycoplasma-std	Standard
Mycoplasma arginini	Z-Path-M.arginini	Advanced
	Z-Path-M.arginini-EASY	Easy
	Z-Path-M.arginini-std	Standard
Mycoplasma bovis	Z-Path-M.bovis	Advanced
	Z-Path-M.bovis-EASY	Easy
	Z-Path-M.bovis-std	Standard
Mycoplasma felis	Z-Path-M.felis	Advanced
	Z-Path-M.felis-EASY	Easy
	Z-Path-M.felis-std	Standard
Mycoplasma gallisepticum	Z-Path-M.gallisepticum	Advanced
	Z-Path-M.gallisepticum-EASY	Easy
	Z-Path-M.gallisepticum-std	Standard
Mycoplasma haemofelis	Z-Path-M.haemofelis	Advanced
	Z-Path-M.haemofelis-EASY	Easy
	Z-Path-M.haemofelis-std	Standard
Mycoplasma hyopneumoniae	Z-Path-M.hyopneumoniae	Advanced
	Z-Path-M.hyopneumoniae-EASY	Easy
	Z-Path-M.hyopneumoniae-std	Standard
Mycoplasma hyorhinis	Z-Path-M.hyorhinis	Advanced
	Z-Path-M.hyorhinis-EASY	Easy
	Z-Path-M.hyorhinis-std	Standard

qPCR test kits **veterinary pathogens**

Veterinary pathogens - <i>continued</i>		
Name	Product code	Kit format version
<i>Mycoplasma meleagridis</i>	Z-Path-M.meleagridis-EASY	Easy
<i>Mycoplasma mycoides</i> cluster	Z-Path-M.mycoides cluster	Advanced
	Z-Path-M.mycoides cluster-std	Standard
<i>Mycoplasma ovipneumoniae</i>	Z-Path-M.ovipneumoniae	Advanced
	Z-Path-M.ovipneumoniae-std	Standard
<i>Mycoplasma species haemofelis</i> and <i>haemocanis</i>	Z-Path-M.hfelis/M.hcanis	Advanced
	Z-Path-M.hfelis/M.hcanis-EASY	Easy
	Z-Path-M.hfelis/M.hcanis-std	Standard
<i>Mycoplasma synoviae</i>	Z-Path-M.synoviae	Advanced
	Z-Path-M.synoviae-EASY	Easy
	Z-Path-M.synoviae-std	Standard
<i>Mycobacterium muscoli</i>	Z-Path-M.muscoli	Advanced
	Z-Path-M.muscoli-std	Standard
<i>Mycocptes musculus</i>	Z-Path-M.musculus-EASY	Easy
	Z-Path-M.musculus-std	Standard
<i>Neoparamoeba perurans</i>	Z-Path-N.perurans	Advanced
	Z-Path-N.perurans-EASY	Easy
	Z-Path-N.perurans-std	Standard
<i>Neospora caninum</i>	Z-Path-N.caninum	Advanced
	Z-Path-N.caninum-EASY	Easy
	Z-Path-N.caninum-std	Standard
Newcastle disease virus	Z-Path-NDV	Advanced
	Z-Path-NDV-EASY	Easy
	Z-Path-NDV-std	Standard
Orf virus	Z-Path-OrfV	Advanced
	Z-Path-OrfV-std	Standard
<i>Ornithobacterium rhinotracheale</i>	Z-Path-O.rhinotracheale	Advanced
	Z-Path-O.rhinotracheale-EASY	Easy
	Z-Path-O.rhinotracheale-std	Standard
<i>Paenibacillus larvae</i>	Z-Path-P.larvae	Advanced
	Z-Path-P.larvae-std	Standard
<i>Paranucleospora theridion</i>	Z-Path-P.theridion-EASY	Easy
Parrot bornavirus (genotype 1, 2 & 4)	Z-Path-PaBV	Advanced
	Z-Path-PaBV-EASY	Easy
	Z-Path-PaBV-std	Standard
<i>Parvivirus pseudobranchicola</i>	Z-Path-P.pseudobranchi-EASY	Easy
<i>Pasteurella multocida</i>	Z-Path-P.multocida	Advanced
	Z-Path-P.multocida-EASY	Easy
	Z-Path-P.multocida-std	Standard
Peste-des-petits-ruminants Virus	Z-Path-PPRV	Advanced
	Z-Path-PPRV-std	Standard
<i>Photobacterium damsela</i>	Z-Path-P.damsela	Advanced
	Z-Path-P.damsela-EASY	Easy
	Z-Path-P.damsela-std	Standard

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Veterinary pathogens - <i>continued</i>		
Name	Product code	Kit format version
Photobacterium damsela subsp. piscicida	Z-Path-P.damsel-piscicida	Advanced
	Z-Path-P.damsel-piscicida-EASY	Easy
	Z-Path-P.damsel-piscicida-std	Standard
Pigeon adenovirus 1	Z-Path-PiAV-1	Advanced
	Z-Path-PiAV-1-std	Standard
Piscine myocarditis virus	Z-Path-PMCV	Advanced
	Z-Path-PMCV-EASY	Easy
	Z-Path-PMCV-std	Standard
Piscine reovirus	Z-Path-PRV-v2.0	Advanced
	Z-Path-PRV-v2.0-std	Standard
Piscirickettsia salmonis	Z-Path-P.salmonis	Advanced
	Z-Path-P.salmonis-EASY	Easy
	Z-Path-P.salmonis-std	Standard
Porcine circovirus 1	Z-Path-PCV1	Advanced
	Z-Path-PCV1-std	Standard
Porcine circovirus 2	Z-Path-PCV2	Advanced
	Z-Path-PCV2-EASY	Easy
	Z-Path-PCV2-std	Standard
Porcine epidemic diarrhoea virus	Z-Path-PEDV	Advanced
	Z-Path-PEDV-EASY	Easy
	Z-Path-PEDV-std	Standard
Porcine parvovirus	Z-Path-PPV	Advanced
	Z-Path-PPV-EASY	Easy
	Z-Path-PPV-std	Standard
Porcine Reproductive & Respiratory Syndrome Virus	Z-Path-PRRSV-v2.0	Advanced
	Z-Path-PRRSV-v2.0-std	Standard
Porcine Reproductive & Respiratory Syndrome Virus, EU strains	Z-Path-PRRSV-EU-v2.0	Advanced
	Z-Path-PRRSV-EU-v2.0-std	Standard
Porphyromonas gulae	Z-Path-P.gulae	Advanced
	Z-Path-P.gulae-std	Standard
Pseudomonas aeruginosa	Z-Path-P.aeruginosa	Advanced
	Z-Path-P.aeruginosa-EASY	Easy
	Z-Path-P.aeruginosa-std	Standard
Psittacid herpesvirus	Z-Path-PHV-EASY	Easy
Rabbit haemorrhagic disease virus type 2	Z-Path-RHDV-2	Advanced
	Z-Path-RHDV-2-EASY	Easy
	Z-Path-RHDV-2-std	Standard
Rabies Virus	Z-Path-Rabies	Advanced
	Z-Path-Rabies-EASY	Easy
	Z-Path-Rabies-std	Standard
Renibacterium salmoninarum	R00616	Easy
Reston ebola virus	Z-Path-RESTV	Advanced
	Z-Path-RESTV-std	Standard
Rhodococcus equi	Z-Path-R.equi	Advanced
	Z-Path-R.equi-EASY	Easy
	Z-Path-R.equi-std	Standard
Rift Valley Fever Virus	Z-Path-RVFFV	Advanced
	Z-Path-RVFFV-std	Standard

qPCR test kits **veterinary pathogens**

Veterinary pathogens - <i>continued</i>		
Name	Product code	Kit format version
Salmon gill poxvirus	Z-Path-SGPV	Advanced
	Z-Path-SGPV-EASY	Easy
	Z-Path-SGPV-std	Standard
Salmonella enterica	Z-Path-S.enterica	Advanced
	Z-Path-S.enterica-EASY	Easy
	Z-Path-S.enterica-std	Standard
Salmonid alphavirus	Z-Path-SAV	Advanced
	Z-Path-SAV-EASY	Easy
	Z-Path-SAV-std	Standard
SARS coronavirus	Z-Path-SARS-CoV	Advanced
	Z-Path-SARS-CoV-std	Standard
Schmallenberg virus	Z-Path-SBV	Advanced
	Z-Path-SBV-EASY	Easy
	Z-Path-SBV-std	Standard
Sheep Poxvirus	Z-Path-SPV	Advanced
	Z-Path-SPV-std	Standard
shiga toxin (stx1) producing Escherichia coli	Z-Path-E.coli_stx1	Advanced
	Z-Path-E.coli_stx1-std	Standard
Shiga toxin (stx2A) producing Escherichia coli	Z-Path-E.coli_stx2A	Advanced
	Z-Path-E.coli_stx2A-std	Standard
Shiga toxin (stx2f) producing Escherichia coli	Z-Path-E.coli_stx2f	Advanced
	Z-Path-E.coli_stx2f-std	Standard
Spirochete muris	Z-Path-Spirochete muris	Advanced
	Z-Path-Spirochete muris-std	Standard
Spring Viremia of Carp Virus	Z-Path-SVCCV	Advanced
	Z-Path-SVCCV-std	Standard
Streptococcus agalactiae	Z-Path-S.agalactiae	Advanced
	Z-Path-S.agalactiae-EASY	Easy
	Z-Path-S.agalactiae-std	Standard
Streptococcus dysgalactiae	Z-Path-S.dysgalactiae	Advanced
	Z-Path-S.dysgalactiae-std	Standard
Streptococcus equi subspecies equi	Z-Path-S.equi-equi	Advanced
	Z-Path-S.equi-equi-EASY	Easy
	Z-Path-S.equi-equi-std	Standard
Streptococcus equi subspecies zooepidemicus	Z-Path-S.equi-zooepidemicus	Advanced
	R00964	Easy
	Z-Path-S.equi-zooepi-std	Standard
Streptococcus mitis	Z-Path-S.mitis	Advanced
	Z-Path-S.mitis-std	Standard
Streptococcus oralis	Z-Path-S.oralis	Advanced
	Z-Path-S.oralis-std	Standard
Streptococcus pneumoniae	Z-Path-S.pneu	Advanced
	Z-Path-S.pneu-EASY	Easy
	Z-Path-S.pneu-std	Standard

Veterinary pathogens - <i>continued</i>		
Name	Product code	Kit format version
Streptococcus pyogenes	R00983	Advanced
	R00984	Easy
	R01017	Standard
Streptococcus salivarius	Z-Path-S.salivarius	Advanced
	Z-Path-S.salivarius-std	Standard
Streptococcus sanguinis	Z-Path-S.sanguinis	Advanced
	Z-Path-S.sanguinis-std	Standard
Strongylus vulgaris	Z-Path-S.vulgaris	Advanced
	Z-Path-S.vulgaris-EASY	Easy
	Z-Path-S.vulgaris-std	Standard
Sudan Ebola Virus	Z-Path-SUDV	Advanced
	Z-Path-SUDV-std	Standard
Suid alphaherpesvirus 1	Z-Path-SUHV1	Advanced
	Z-Path-SUHV1-EASY	Easy
	Z-Path-SUHV1-std	Standard
Suid betaherpesvirus 2	Z-Path-SUHV2	Advanced
Swinepox	Z-Path-Swinepox	Advanced
	Z-Path-Swinepox-std	Standard
Syphacia muris	Z-Path-Syphacia muris	Advanced
	Z-Path-Syphacia muris-std	Standard
Syphacia obvelata	Z-Path-S.obvelata	Advanced
	Z-Path-S.obvelata-std	Standard
Tai Forest Ebola Virus	Z-Path-TAFV	Advanced
	Z-Path-TAFV-std	Standard
Taylorella equigenitalis	Z-Path-T.equigenitalis	Advanced
	Z-Path-T.equigenitalis-EASY	Easy
	Z-Path-T.equigenitalis-std	Standard
Tellurite resistant Escherichia coli	Z-Path-E.coli_TeR	Advanced
	Z-Path-E.coli_TeR-std	Standard
Theileria annulata	Z-Path-T.annulata	Advanced
	Z-Path-T.annulata-std	Standard
Theileria equi (formally Babesia equi)	Z-Path-T.equi	Advanced
	Z-Path-T.equi-EASY	Easy
	Z-Path-T.equi-std	Standard
Theileria mutans	Z-Path-T.mutans	Advanced
	Z-Path-T.mutans-std	Standard
Theileria parva	Z-Path-T.parva	Advanced
	Z-Path-T.parva-std	Standard
Tilapia lake virus	Z-Path-TiLV	Advanced
	Z-Path-TiLV-EASY	Easy
	Z-Path-TiLV-std	Standard
Toxigenic subspecies of Vaccinia virus	Z-Path-Vaccinia	Advanced
	Z-Path-Vaccinia-std	Standard
Toxoplasma gondii	Z-Path-Toxoplasma	Advanced
	Z-Path-Toxoplasma-EASY	Easy
	Z-Path-Toxoplasma-std	Standard
Transmissible Gastro Enteritis Virus & Porcine Respiratory Coronavirus	Z-Path-TGEV/PRCV	Advanced
	Z-Path-TGEV/PRCV-EASY	Easy
	Z-Path-TGEV/PRCV-std	Standard

qPCR test kits **veterinary pathogens**

Veterinary pathogens - <i>continued</i>		
Name	Product code	Kit format version
Transmissible Gastro Enteritis virus	Z-Path-TGEV	Advanced
	Z-Path-TGEV-std	Standard
Trichophyton mentagrophytes	Z-Path-T.mentagrophytes	Advanced
	Z-Path-T.mentagrophytes-std	Standard
Tritrichomonas foetus	Z-Path-T.foetus	Advanced
	Z-Path-T.foetus-EASY	Easy
	Z-Path-T.foetus-std	Standard
Trypanosoma equiperdum	Z-Path-T.equiperdum	Advanced
	Z-Path-T.equiperdum-EASY	Easy
	Z-Path-T.equiperdum-std	Standard
Trypanosoma evansi	Z-Path-T.evansi	Advanced
	Z-Path-T.evansi-EASY	Easy
	Z-Path-T.evansi-std	Standard
Vesicular stomatitis virus	Z-Path-VSV	Advanced
	Z-Path-VSV-EASY	Easy
	Z-Path-VSV-std	Standard
Veterinary Rotavirus A	Z-Path-Vet RotavirusA	Advanced
	Z-Path-Vet RotavirusA-EASY	Easy
	Z-Path-Vet RotavirusA-std	Standard
Veterinary Rotavirus B	Z-Path-Vet RotavirusB	Advanced
	Z-Path-Vet RotavirusB-std	Standard
Veterinary Rotavirus C	Z-Path-Vet RotavirusC	Advanced
	Z-Path-Vet RotavirusC-EASY	Easy
	Z-Path-Vet RotavirusC-std	Standard
Vibrio anguillarum	Z-Path-V.anguillarum-V3.0	Advanced
Vibrio parahaemolyticus	Z-Path-V.parahaemolyticus-v2.0	Advanced
	Z-Path-V.parahaemo-v2.0-std	Standard
Viral Hemorrhagic Septicemia Virus	Z-Path-VHSV	Advanced
	Z-Path-VHSV-EASY	Easy
	Z-Path-VHSV-std	Standard
White spot syndrome virus	Z-Path-WSSV	Advanced
	Z-Path-WSSV-std	Standard
Yersinia ruckeri	Z-Path-Y.ruckeri	Advanced
	Z-Path-Y.ruckeri-EASY	Easy
	Z-Path-Y.ruckeri-std	Standard
Zaire Ebola virus	Z-Path-EBOV	Advanced
	Z-Path-EBOV-std	Standard
Zaire and Sudan Ebola virus	R00965	Advanced
genesigPLEX Kit SE/SZ (Streptococcus equi subspecies equi & Streptococcus equi subspecies zooepidemicus)	Z-Path-SE/SZ-GPX	Multiplex
Brucella abortus & Brucella abortus RB51	Z-Path-B.abortus_MPX	Multiplex

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CEMO, *K. pneumoniae* and *P. aeruginosa* test kits

Permission granted to be used by registered laboratories in the HBLB testing scheme.



CEMO detection bundle

We offer a bundle of three validated kits to detect *Taylorella equigenitalis* (CEMO), *Klebsiella pneumoniae* and *Pseudomonas aeruginosa* independently.

These kits have been granted permission to be used by registered laboratories in the HBLB testing scheme. Please visit our website for further information and to read our validation report.

The Primer Design kit is available in an open platform format for use on any qPCR instrumentation including those from QIAGEN, Bio-Rad, Roche and more. Alternatively *genesig*[™] Easy versions of the kits are available for the *genesig*[™] q16 and q32.

Kit features

- ✓ Exceptional value for money
- ✓ Highly sensitive
- ✓ High priming efficiency
- ✓ Sensitive to <100 copies of target
- ✓ Controls provided
- ✓ Positive copy number standard curve for quantification
- ✓ Accurate controls to confirm findings

Detection Bundles		
Name	Product code	Kit format version
Three kit bundle for <i>Taylorella equigenitalis</i> , <i>Klebsiella pneumoniae</i> , and <i>Pseudomonas aeruginosa</i>	Z-Path-TKP	Advanced
	Z-Path-TKP-EASY	Easy
	Z-Path-TKP-std	Standard
<i>genesig</i> PLEX kit for TKP	Z-Path-TKP-GPX	Multiplex



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qPCR test kits **biothreat**

qPCR is the perfect tool for rapid detection of hazardous biological agents like anthrax, cholera toxins etc.

Rapid biothreat detection		
Name	Product code	Kit format version
All Ehrlichia species	Z-Path-Ehrlichia_spp	Advanced
	Z-Path-Ehrlichia_spp-EASY	Easy
	Z-Path-Ehrlichia_spp-std	Standard
All pathogenic Salmonella species	Z-Path-Salmonella_invA	Advanced
	Z-Path-Salmonella_invA-EASY	Easy
	Z-Path-Salmonella_invA-std	Standard
Bacillus anthracis	Z-Path-B.anthraxis	Advanced
	Z-Path-B.anthraxis-EASY	Easy
	Z-Path-B.anthraxis-std	Standard
Brucella genus (all species)	Z-Path-Brucella	Advanced
	Z-Path-Brucella-EASY	Easy
	Z-Path-Brucella-std	Standard
Burkholderia mallei	Z-Path-B.mallei	Advanced
	Z-Path-B.mallei-EASY	Easy
	Z-Path-B.mallei-std	Standard
Chlamydia psittaci	Z-Path-C.psittaci-v2.0	Advanced
	Z-Path-C.psittaci-EASY-v2.0	Easy
	Z-Path-C.psittaci-std-v2.0	Standard
Clostridium botulinum toxin D	Z-Path-C.botulinum_toxD	Advanced
	Z-Path-C.botulinum_toxD-std	Standard
Coxiella burnetii	Z-Path-C.burnetii	Advanced
	Z-Path-C.burnetii-EASY	Easy
	Z-Path-C.burnetii-std	Standard
Cryptosporidium parvum	Z-Path-C.parvum	Advanced
	Z-Path-C.parvum-std	Standard
Eastern equine encephalitis virus	Z-Path-EEEV-EASY	Easy
	Z-Path-EEEV-std	Standard
Sudan ebola virus	Z-Path-SUDV	Advanced
	Z-Path-SUDV-std	Standard
Escherichia coli O157:H7	Z-Path-E.coli_0157-v2.0	Advanced
	Z-Path-E.coli_0157-EASY-v2.0	Easy
	Z-Path-E.coli_0157-std-v2.0	Standard
Francisella tularensis	Z-Path-F.tularensis	Advanced
	Z-Path-F.tularensis-EASY	Easy
	Z-Path-F.tularensis-std	Standard

qPCR test kits **biothreat**

Rapid biothreat detection		
Name	Product code	Kit format version
Lassa virus Josiah	Z-Path-LASV-Josiah	Advanced
	Z-Path-LASV-Josiah-EASY	Easy
	Z-Path-LASV-Josiah-std	Standard
Marburg virus	Z-Path-MBGV	Advanced
	R00989	Easy
	Z-Path-MBGV-std	Standard
Nipah henipavirus	Z-Path-NiV	Advanced
	Z-Path-NiV-std	Standard
Rickettsia prowazekii	Z-Path-R.prowazekii	Advanced
	Z-Path-R.prowazekii-std	Standard
Rift Valley Fever Virus	Z-Path-RVFFV	Advanced
	Z-Path-RVFFV-std	Standard
Shigella (all species)	Z-Path-Shigella_spp	Advanced
	Z-Path-Shigella_spp-EASY	Easy
	Z-Path-Shigella_spp-std	Standard
Staphylococcus aureus	Z-Path-S.aureus	Advanced
	Z-Path-S.aureus-EASY	Easy
	Z-Path-S.aureus-std	Standard
Vaccinia virus	Z-Path-Vaccinia	Advanced
	Z-Path-Vaccinia-std	Standard
Vibrio cholerae (toxigenic subspecies)	Z-Path-V.cholerae	Advanced
	Z-Path-V.cholerae-EASY	Easy
Western equine encephalomyelitis virus	Z-Path-WEEV	Advanced
	Z-Path-WEEV-EASY	Easy
	Z-Path-WEEV-std	Standard

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qPCR test kits antibiotic resistance

Antibiotic resistance has become a serious concern in human and veterinary medicine, and a global threat for the agricultural sector.

Our antibiotic resistance detection kits are specifically developed for the detection of genes enabling antibiotic resistance.

✓ Drug resistance detection

Drug resistance detections		
Name	Product code	Kit format version
Antibiotic Resistance: blaGES	Z-Path-AR-blaGES	Advanced
Antibiotic Resistance: blaIMP	Z-Path-AR-blaIMP	Advanced
Antibiotic Resistance: blaKPC	Z-Path-AR-blaKPC	Advanced
Antibiotic Resistance: blaVIM	Z-Path-AR-blaVIM	Advanced
Antibiotic Resistance: OXA-48	Z-Path-AR-OXA-48	Advanced



qPCR test kits **genotyping**

Our genotyping kits are carefully developed for the detection of specific mutations and an effective alternative to next generation sequencing (NGS).

Quasa kits (Quantitative Allele Specific Amplification) are designed for the detection of rare somatic mutations. Quasa kits allow for quantification of the mutant DNA down to 0.1%.

Our snpsig kits are developed for germline mutation testing and allelic discrimination. Using our proprietary genotyping method, snpsig kits maximise the resolution between wild-type, heterozygous and homozygous variant samples.

- ✓ Somatic mutation detection
- ✓ Germline mutation detection

Quasa kits (Somatic mutation detection)		
Name	Product code	Kit format version
BRAF (V600E)	Z-Path-GT-QU-BRAF-V600E	Genotyping
JAK2 (V617F)	Z-Path-GT-QU-JAK2-617	Genotyping
EGFR (T790M)	Path-GT-QU-EGFR-T790M	Genotyping

SNPsig kits (Germline mutation detection)		
Cystic Fibrosis (CFTR) - deletion of phenylalanine at position 508	Z-Path-GT-CFTR-508	Genotyping
Factor V Leiden	Z-Path-GT-FactorVLeiden	Genotyping
Haemochromatosis	Z-Path-GT-HFE	Genotyping
Prothrombin	Z-Path-GT-Prothrombin-G20210A	Genotyping

oasig[®] Lyophilised 2X qPCR Master Mixes

High quality, robust 2X qPCR master mix and OneStep RT-qPCR master mix supplied lyophilised.

The core components are a hot start Taq polymerase enzyme and a modified MMLV reverse transcriptase enzyme with a Magnesium Chloride based buffer. Stabilisers and preservatives ensure that lyophilisation does not affect the performance.

Product features

- ✓ Supplied lyophilised – no cold shipping required
- ✓ Precise reproducible results
- ✓ One product works perfectly with all real time PCR machines

oasig[®] Lyophilised reagents represent a milestone in qPCR technology

Their formulation stabilises all of the active components and allows them to be shipped and stored at room temperature. They are stable for more than 18 months at ambient temperatures. This hugely simplifies the logistics of purchasing, shipping and using the technology. Whether you are in a sophisticated laboratory in Texas or a mobile field hospital in Timbuktu we can supply complete qPCR kit and reagent packages to your door quickly and cheaply via standard shipping methods without the need for dry ice or a cold chain of any sort.

The performance of the reagents is second to none. We are confident that you will find excellent data quality and even see an improvement in data quality versus many traditional frozen master mixes.

Catalogue No.	Product description	Kit size
Z-oasig-standard-150	oasig [®] Lyophilised 2X qPCR Master Mix	150rxn
Z-oasig-onestep-150	oasig [®] Lyophilised 2X OneStep RT-qPCR Master Mix	150rxn

PrecisionFAST[®] and PrecisionPLUS[®] qPCR Master Mix

PrecisionFAST[®] qPCR Master Mix.

PrecisionFAST 2X real-time PCR Master Mix is an ultra-fast, cost-saving mix for qPCR. The mix is designed for rapid cycling protocols that can dramatically shorten run times.

Our unique enzyme/buffer combination has been especially optimised, and shows market leading performance vs. other commercially available master mixes.

Product features

- ✓ Ultra-fast enzyme
- ✓ qPCR data in as little as 40 minutes
- ✓ Formulations available for any real-time PCR machine
- ✓ Minimises primer dimer formation

PrecisionPLUS[®] qPCR Master Mix & PrecisionPLUS[®] OneStep RT-qPCR Master Mix.

High quality, robust 2X real-time PCR master mix at an exceptionally low cost. Our unique formulation gives a superior quality of data with a bigger signal to noise ratio, brighter, steeper and more precise amplification plots, and shows market leading performance vs. other commercially available master mixes.

PrecisionPLUS OneStep contains all the required components for a perfect one-step reverse transcription qPCR analysis in a single, closed tube reaction mix. The operator simply adds RNA and a primer/probe mix for a complete, one step RNA to Cq reaction.

Product features

- ✓ Huge cost saving
- ✓ Precise reproducible results
- ✓ Formulations available for any real-time PCR machine
- ✓ Available premixed with SYBR[®] Green free of charge
- ✓ PrecisionPLUS[®] OneStep RT-qPCR Master Mix suitable for both RNA and DNA

Catalogue No.	Product description	Kit size
Z-PFAST-1ml; 2ml; 5ml; 10ml; 20ml	PrecisionFAST qPCR Master Mix	1ml; 2ml; 5ml; 10ml; 20ml
Z-PPLUS-1ml; 2ml; 5ml; 10ml; 20ml	PrecisionPLUS qPCR Master Mix	1ml; 2ml; 5ml; 10ml; 20ml
Z-OSPLUS-1ml; 2ml; 5ml; 10ml; 20ml	PrecisionPLUS OneStep RT-qPCR Master Mix	1ml; 2ml; 5ml; 10ml; 20ml

genesig™ Easy extraction kits

Easy extraction from virtually any sample type - it's fast, and incredibly easy to perform.

The genesig™ Easy DNA/RNA Extraction Kit allows DNA/RNA and RNA extraction from virtually any sample type using magnetic bead technology - it's fast, and incredibly easy to perform.

- ✓ Extracts DNA/RNA and RNA with high yields <60 minutes
- ✓ Works with huge range of sample types
- ✓ Safe protocol with no phenolic chemicals
- ✓ No centrifuge or electrical equipment required - for use in the lab or in the field

The genesig™ easy DNA/RNA extraction protocol begins with a simple lysis step where cells and tissue are lysed to release their nucleic acid. Then tiny magnetic particles are added to bind to RNA/

DNA. When placed on to the genesig™ magnetic separator the particles are pulled to the side of the tube making it easy to remove the unwanted supernatant with a pipette.

Then a series of simple wash steps are performed before the DNA/RNA is washed off the beads back in to solution, ready for analysis by real time PCR. Its fast, and incredibly easy to perform.

Suitable sample types

Suitable sample types include whole blood, plasma and serum; saliva and sputum; faeces and urine; tissues; and bacterial culture broth, as well as meat, fish, milk and cooked or processed meats, plus plant, soil and water.



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The genesig™ Lab-in-a-Box

Create a lab for anyone and anywhere.

Even if you've never performed a DNA/RNA test in your life, the genesig™ q16 makes it affordable and easy to do. If you've never done this kind of testing then you probably don't have a laboratory. That's fine, as our Lab-in-a-Box provides all of the simple tools that you'll need to get started.

- ✓ A genesig™ magnetic rack for DNA/RNA extraction
- ✓ Fixed volume, colour-coded pipettes for simple liquid handling
- ✓ Disposable tips for the pipettes
- ✓ Tube racks to hold everything in place whilst you work
- ✓ Digital laboratory timer



Catalogue No.	Product description	Kit size
Z-genesigEASY-EK	genesig™ Easy DNA/RNA extraction kit	50 extractions
Z-genesigEASY-MR	genesig™ Easy magnetic rack for DNA/RNA extraction	1 rack
Z-genesigEASY-LIAB	Lab-in-a-Box containing all the tools needed to prepare samples for the genesig™ q16	1 box



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