



Kylt®

Livestock Diagnostic Products for Ruminants

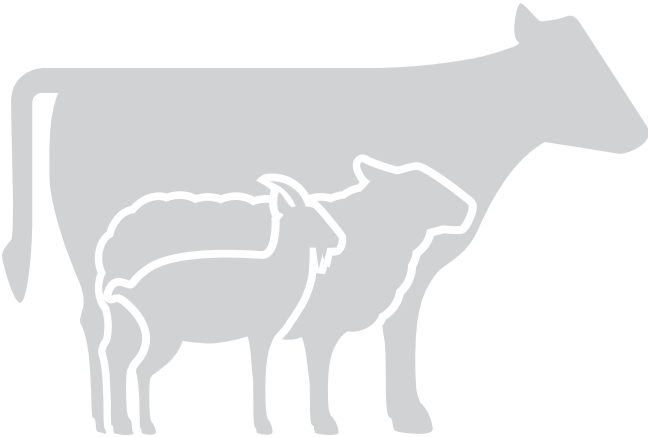
Kylt® Professional *in vitro*
Diagnostic Solutions



www.kylt.eu

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Kylt® Livestock Diagnostic Products for Ruminants



The Kylt® products are designed for rapid and precise pathogen identification or characterisation in samples derived from livestock. Kylt® products are able to support trustworthy detection of various diseases to detect health risk in livestock animals.

Discover Kylt® Livestock Diagnostic Products for Ruminants

Our Kylt® diagnostic products come in different configurations. Please refer to the table below for further information on:

- Which technique – Real-Time vs conventional PCR – is used in the product
- Which reagents are not included in the products
- If additional protocol steps, such as Agarose Gel Electrophoresis are needed to compile the full method

The information below applies for all articles per product category. Detailed information per individual product category is listed in the following pages.

If you need more information on our Kylt® products and categories or you have a specific demand for a product not listed please visit us on www.kylt.eu or contact us at info@kylt.eu.

Product Category	complete kit	Real-Time (RT)-PCR (Primers and Probes included)	conventional (RT)-PCR (Primers included)	Agarose Gel Electrophoresis required	Additional Enzyme Mix required
Kylt® Real-Time PCR Detection Kits	X	X	-	-	-
Kylt® Real-Time PCR Detection Reagents [#]	-	X	-	-	A
Kylt® PCR Detection Kits (conventional)	X	-	X	X	-
Kylt® Real-Time RT-PCR Detection Kits	X	X	-	-	-

BCD Enzyme Mixes (please refer to page 7)

A BCD 2x qPCR-Mix

[#] Kylt® Detection Reagents contain all controls, primers and probes for pathogen-specific detection but do not include enzyme mixes.

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Kylt® Real-Time RT-PCR Detection Kits are intended for the detection of viral RNA from the pathogens listed below. The detection kits contain all reagents and controls that are necessary for the process of Reverse Transcription (RT) followed by Real-Time PCR for a reliable and accurate detection of the pathogen.

Product	Tested Parameters/Features	Quantity of Reactions	Article number
Kylt® BRSV	Bovine Respiratory Syncytial virus	100	31350
		25	31351
Kylt® Bovine Coronavirus	Bovine Coronavirus	100	31352
		25	31353
Kylt® Bovine Herpesvirus 4	Bovine Herpesvirus Type 4	100	31356
		25	31357
Kylt® Influenza A	Influenza Virus Type A (exogenous control, IC-RNA)# German market authorization FLI-B 672	100	31068
		25	31069
Kylt® IVA beta RT-qPCR	Influenza Virus Type A (endogenous control, β-Actin)# German market authorization FLI-C 024	100	31163
		25	31164
Kylt® Influenza Virus Type D	Influenza Virus Type D	100	31358
		25	31359
Kylt® PI3	Bovine Parainfluenzavirus-3	100	31360
		25	31361
Kylt® Bovine Rotavirus A	Bovine Rotavirus Type A	100	31362
		25	31363
Kylt Host Cells	Host cells (detection of beta-actin mRNA, Control reaction kit)	100	31106
		25	31107

please refer to section "Kylt® Real-Time (RT-)PCR controls" for further information on available quantification standards.

Kylt® Real-Time PCR Detection Kits are intended for the detection of bacterial DNA from all pathogens listed below. The detection kits contain all reagents and controls necessary for reliable and accurate detection.

Product	Tested Parameters/Features	Quantity of Reactions	Article number
Kylt® C. difficile toxin genes	Clostridium difficile toxin genes (A&B)	100	31320
		25	31321
Kylt® Clostridium perfringens toxin genes	Clostridium perfringens Major (a/b/e/i) and Minor (b2/entero/netB) Toxin Genes	100	31034
		25	31035
Kylt® Cryptosporidium spp.	Cryptosporidium spp.	100	31322
		25	31323
Kylt® Cryptosporidium parvum	Cryptosporidium parvum	100	31324
		25	31325
Kylt® Histophilus somni	Histophilus somni	100	31326
		25	31327
Kylt® Mycoplasma bovis	Mycoplasma bovis	100	31330
		25	31331
Kylt® Mycoplasma ovipneumoniae	Mycoplasma ovipneumoniae	100	31437
		25	31438
Kylt® Neospora caninum	Neospora caninum	100	31332
		25	31333

Kylt® E.coli virulence factor Real-Time PCR Kits are intended for the detection of Escherichia coli and further screening for specific virulence factors mentioned below. The Real-Time PCR detection kits contain all reagents and controls that are necessary for a reliable and accurate detection.

Product	Tested Parameters/Features	Quantity of Reactions	Article number
Kylt® E. coli screening	E. coli screening	100	31316
		25	31317
Kylt® E. coli fimA	E. coli virulence factor fimA	100	31221
		25	31222
Kylt® E. coli fimH	E. coli virulence factor fimH	100	31123
		25	31124
Kylt® E. coli F4 (K88)	E. coli virulence factor F4 (K88)	100	31336
		25	31337
Kylt® E. coli F5 (K99)	E. coli virulence factor F5 (K99)	100	31338
		25	31339
Kylt® E. coli F6	E. coli virulence factor F6	100	31340
		25	31341
Kylt® E. coli F17	E. coli virulence factor F17	100	31424
		25	31425
Kylt® E. coli F18	E. coli virulence factor F18	100	31219
		25	31220
Kylt® E. coli F41	E. coli virulence factor F41	100	31217
		25	31218
Kylt® E. coli eae	E. coli virulence factor eae	100	31426
		25	31427
Kylt® E. coli EAST	E. coli virulence factor EAST	100	31428
		25	31429
Kylt® E. coli LT	E. coli virulence factor LT	100	31342
		25	31343
Kylt® E. coli STa	E. coli virulence factor STa	100	31344
		25	31345
Kylt® E. coli STb	E. coli virulence factor STb	100	31346
		25	31347
Kylt® E. coli Stx1	E. coli virulence factor Stx1	100	31348
		25	31349
Kylt® E. coli Stx2	E. coli virulence factor Stx2	100	31430
		25	31431
Kylt® E. coli Stx2e	E. coli virulence factor Stx2e	100	31225
		25	31226

Kylt® Real-Time PCR Detection Reagents contain all controls, primer and probes for pathogen-specific detection. Compatible enzyme mixes are available separately, please refer to page 7.

Product	Tested Parameters/Features	Quantity of Reactions	Article number
Kylt® Salmonella spp.	Salmonella spp.	100	31432
Kylt® Brucella spp.	Brucella spp.	100	31318
		25	31319
Kylt® Campylobacter spp.	Campylobacter spp.	100	31433
		25	31434
Kylt® Chlamydomphila abortus	Chlamydomphila abortus	100	31040
		25	31041
Kylt® Coxiella burnetii	Coxiella burnetii (Q-Fever)	100	31308
		25	31309
Kylt® Leptospira, pathogenic	Leptospira, pathogenic	100	31328
		25	31329
Kylt® Listeria monocytogenes	Listeria monocytogenes	100	31435
		25	31436
Kylt® Bovine Herpesvirus 1	Bovine Herpesvirus Type 1	100	31354
		25	31355

Kylt® PCR Detection Kits (conventional) are intended for the detection of bacterial DNA from all pathogens listed below. The detection kits contain all reagents and controls necessary for reliable and accurate detection. The final analysis of the PCR products is realized by classical gel electrophoresis (Agarose Gel Electrophoresis).

Product	Tested Parameters/Features	Quantity of Reactions	Article number
Kylt® Pasteurella multocida	Pasteurella multocida (species-specific)	100	31058
		25	31059

Kylt® RNA/DNA Purification Kits are intended for the purification of high quality RNA and DNA from a vast variety of veterinary samples or from pure bacterial or viral culture isolates. Kylt® DNA Extractionmix is intended for simplified and economic DNA extraction from pure bacterial isolates or bacterial enrichments only.

Product	Tested Parameters/Features	Quantity of Reactions	Article Number
Kylt® DNA Extractionmix II	DNA Extraction from pure bacterial isolates or bacterial enrichments	100	31398
		25	31399
Kylt® DNA Extractionmix III	DNA Extraction as above from gram-positive bacteria (e.g. <i>Listeria monocytogenes</i>)	100	31404
		25	31405
Kylt® RNA/DNA Purification Kit	Combined RNA and DNA purification from veterinary samples	5 x 50	31314
		50	31315

BCD Enzyme Mixes are suitable to be combined with the respective Kylt® Detection Reagents to complete the (Real-Time) (RT-) PCR method. These Mixes ensure outstanding performance and stability, for Real-Time as well as conventional PCR with or without Reverse Transcriptase.

Product	Tested Parameters/Features	Quantity of Reactions	Article Number
BCD 2x qPCR-Mix	2 x concentrated PCR Mix for Real Time PCR	100	31129
BCD 2x PCR-Mix	2 x concentrated PCR Mix for conventional PCR	100	31131
BCD 2x RT-qPCR-Mix	2 x concentrated PCR Mix for Real-Time RT-PCR	100	31128
BCD 2x RT-PCR-Mix	2 x concentrated PCR Mix for conventional RT-PCR	100	31130

Kylt® Real-Time (RT-)PCR Controls are available separately as needed.

Product	Tested Parameters/Features	Quantity of Reactions	Article Number
Kylt® IC-RNA	Internal Control RNA	100	31132
Kylt® Negative Control	Negative Control	1 mL	31133
Kylt® Influenza A Standard	Quantitative Standard for Influenza A	25	31423

The Kylt® Real-Time (RT-)PCR products provide you with the following advantages:

- Identical thermal profiles for similar assays allow a combination in a single PCR-run.
- You can run them on virtually all Real-Time PCR thermal cyclers.
- They allow economic pooling of individual samples (in contrast to serology).
- They proved to be highly satisfactory and reliable in our daily high-throughput routine diagnostic services for samples from all over the world.
- They are fully validated according to applicable German FLI-guidelines, ISO 16140 etc. to meet all potential regulatory requirements by your authorities.
- They have received market authorisation in Germany by FLI (this currently applies to Kylt® Salmonella spp., Kylt® Influenza A, Kylt® IVA beta RT-qPCR and Kylt® MGS Triplex).

The users of our Kylt® Real-Time (RT-)PCR products benefit from:

- Direct support by your local technical and academic contact partner.
- Background support by our experts in Germany.
- A choice of different hands-on training options at AniCon's training center in Germany, at the local distributors site or at your site.
- Our **Kylt® Software** simplifies the entry of sample data, PCR run, analysis and reporting of results. It is provided to our customers free of charge and may be customized to their individual equipment, QC-requirements and linkage to LIMS, if applicable.
- Regular updates of individual kits to assure inclusion of all emerging strains worldwide.
- Ongoing extension of the product catalogue with respect to upcoming diagnostic needs.

For veterinary diagnostic use only. For *in vitro* use only. Regulatory requirements vary by country, these products may not be available in your geographic area.
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