



PRODUCTS

FOOD, FEED, BEVERAGES



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DNA-Extraction Kits	1
FIRST-DNA ALL-TISSUE KIT	1
FIRST-SALMONELLA DNA-EXTRACTION BUFFER	1
Simplex® Easy DNA-Extraction Kits	2
SIMPLEX® EASY DNA KIT	2
SIMPLEX® EASY WINE KIT	3
SIMPLEX® EASY SPIN FOOD DNA KIT	4
SIMPLEX® EASY SPIN BACTERIAL DNA KIT	5
SIMPLEX® EASY SPIN LEGIONELLA KIT	6
Magnetic DNA-Extraction Kits	7
FIRST-MAGNETIC FOOD KIT	7
QuickGEN Sample Preparation Kits	8
MEMBRANE FILTRATION	8
CENTRIFUGATION	8
SYRINGE FILTRATION FOR DISPENSING EQUIPMENT	8
Reference material	9
Colour Compensation Kits for real-time PCR	9
PCR-Detection Kits	9
genControl® -GMO-Kits	9
QUALITATIVE REAL-TIME PCR	9
QUANTITATIVE REAL-TIME PCR	14
First-PCR for Animal species	15
SINGLEPLEX REAL-TIME PCR, QUALITATIVE	15
MULTIPLEX REAL-TIME PCR, QUALITATIVE	15
First-PCR for Allergens/ Plant species	16
SINGLEPLEX REAL-TIME PCR, QUALITATIVE	16
MULTIPLEX REAL-TIME PCR, QUALITATIVE	17
First-PCR for Microorganisms	18
PATHOGENE BACTERIA, QUALITATIVE	18

DNA-Extraction Kits

First-DNA all-tissue Kit

The First-DNA all-tissue Kit is *one single system* that makes DNA extraction possible from various substrates such as blood, urine, semen, cell culture, tissue embedded in paraffin, hair, bones, stains, plant and animal tissue, mouse tails, food, bacteria, yeast, fungi etc. without the use of toxic substances. High yields of quality DNA can be obtained, the mean purity of the isolated DNA, determined by the A260/A280 ratio, is 1.8-1.9. There is no loss of DNA by columns and the eluted DNA is well suited for PCR, sequencing, RFLP etc.

Order-no./REF:

- D 0102000 (10 preparations, trial Kit)**
- D 0502000 (50 preparations)**
- D 1002000 (100 preparations)**
- D 5002000 (500 preparations)**

- L1DNA050 (extra Lysis buffer 1 for 50 preparations)**
- L1DNA100 (extra Lysis buffer 1 for 100 preparations)**
- L2DNA050 (extra Lysis buffer 2 for 50 preparations)**
- L2DNA100 (extra Lysis buffer 2 for 100 preparations)**
- L3DNA050 (extra Lysis buffer 3 for 50 preparations)**
- L3DNA100 (extra Lysis buffer 3 for 100 preparations)**
- PKDNA050 (extra Enzyme for 50 preparation)**
- PKDNA100 (extra Enzyme for 100 preparation)**

First-Salmonella DNA-Extraction buffer

First-Salmonella DNA-extraction buffer for rapid thermic cell lysis after pre-enrichment according to §64 LFGB 00.00.98.

Order-no./REF: **FSD 0100 (100 preparations)**

Simplex[®] Easy DNA-Extraction Kits

Simplex[®] Easy DNA Kit

In 15 minutes DNA from bacteria and yeast

The Simplex Easy DNA Kit is an extremely fast and easy DNA-Extraction from bacteria and yeasts. It is also approved for mouse tails and epithelial swaps. DNA is well suited for PCR, sequencing and more.

DNA-Extraction in 5 steps

1. Centrifuge sample
2. Remove supernatant
3. Add Simplex[®] Easy Reagent
4. Incubate sample at 95 °C
5. Centrifuge sample

Advantages

- DNA-extraction in one single vessel
- No contamination risk
- No toxic solutions
- DNA-cleaning is possible
- Universal applications
- Low material and instrument costs

Order-no./REF: **Q001-0010 (10 preparations)**
 Q001-0100 (100 preparations)
 Q001-1000 (1000 preparations)

Simplex[®] Easy Wine Kit

In 40 minutes DNA from bacteria and yeast

The Simplex[®] Easy Wine Kit is an extremely fast and easy method for isolation of DNA from bacteria and yeasts out of wine. It is particularly suitable for detection of wine spoilage microorganisms like e.g. *Dekkera bruxellensis*, *Oenococcus oeni* or lactobacilli.

DNA-Extraction in 6 steps:

1. Centrifuge sample
2. Purify sample by washing (removal of inhibitors)
3. Remove the washing solution after centrifugation
4. Add Simplex[®] Easy Wine reagent
5. Incubate sample at 95 °C
6. Centrifuge sample

Advantages

- DNA-extraction in one single reaction vessel
- No inhibition by washing the sample
- No contamination risk
- High efficiency
- No loss of DNA
- Fast and easy handling
- Universal applications
- Low material and instrument costs

**Order-no./REF: Q300 (100 preparations)
 Q301 (extra washing solution for 100 preparations)**

Simplex[®] Easy Spin Food DNA Kit

The Simplex[®] Easy Spin Food DNA Kit is a fast and optimal DNA-extraction method for food, feed, plant and animals. The use of spin columns and two cleaning steps guarantee a pure, clean and PCR-suitable DNA used for e.g. detection of GMO, allergenes, animal identity,....

DNA-Extraction in 7 steps:

1. Resuspend sample in lysis buffer and incubate 30 min. 65 °C
2. Centrifuge sample
3. Add binding buffer and transfer to spin column, spin 30 sec
4. Remove inhibitors with washing buffer
5. Purify DNA with cleaning buffer
6. Spin dry 2 min.
7. Elute DNA with preheated Elution buffer

Advantages

- Very clean DNA
- Fast and easy handling
- Universal applications
- Long storage of DNA is possible

Order-no./REF: SEFS 0050 (50 preparations)

Simplex[®] Easy Spin Bacterial DNA Kit

The Simplex[®] Easy Spin Bacterial DNA Kit is a very fast and easy method for isolation of DNA from bacteria in food and feed after pre-enrichment. The use of spin columns without further cleaning steps results in sufficiently clean DNA suitable for further applications like PCR.

DNA-Extraction in 4 steps:

1. Centrifuge preenriched sample and remove media
2. Resuspend the pellet in lysis buffer and incubate 30 min. 95 °C
3. Add binding buffer and transfer to spin column, spin 30 sec
4. Elute DNA with preheated Elution buffer

Advantages

- Fast and easy DNA-extraction
- Cleaning by spin column
- No contamination risk
- Universal applications
- Long storage of DNA is possible

Order-no./REF: SESB 0050 (50 preparations)

Simplex[®] Easy Spin Legionella Kit

The Simplex[®] Easy Spin Legionella Kit is a very fast and easy method for isolation of DNA from *Legionella spp.* from drinking water, cooling- and waste water.

DNA-Extraction in 4 steps:

1. Centrifuge the water sample
2. Resuspend the pellet in lysis buffer and incubate 10 min. at 95°C
3. Add binding buffer and transfer to spin column, spin 30 sec.
4. Elute DNA with preheated Elution buffer

Advantages

- Suitable for all samples (drinking water, cooling- and wastewater)
- High quality *Legionella* DNA by using column technology
- The system provides all reagents necessary for extraction from 50 samples

Order-no./REF: Q702 (50 preparations)

Magnetic DNA-Extraction Kits

First-Magnetic Food Kit

DNA-Extraction from food, feed and beverages

The First-Magnetic Food Kit is developed for genomic DNA-extraction from various materials and is especially approved for very complex and highly processed products. The DNA is well suited for PCR, sequencing, etc.

Applications:

- highly processed products: e.g. starch, lecithin, soy sauce, tomato puree
- beverage source materials: e.g. concentrates, fruit puree
- dairy products: e.g. milk and milk products
- feed: e.g. forage cereals, spent hops (treber), fattening feed

The method is based on biomagnetic separation of genomic DNA. After preparing the lysate, the DNA is bound to magnetic beads. The rest of cell material and other contaminants is washed away. The isolated DNA is eluted in TE or H₂O. The regular volume is 50 µL.

Order-no./REF: FMF 0010 (10 preparations, trial Kit)
FMF 0100 (100 preparations)

QuickGEN Sample Preparation Kits

The QuickGEN procedure allows a complete and fast analysis of beverage spoilers without pre-enrichment and time consuming sample preparation. The system is suited to the analysis in the own company lab as well as for the mobile application on site.

- Detection of beer spoilers in larger volume beer
- No sample pre-enrichment
- Fast two-step system available in three versions:

Membrane Filtration

1. Filtrate beer sample up to 1 Liter
2. Add QuickGEN buffer to the filter
3. Lysis and PCR in one step

Order-no./REF: Q004 (50 preparations)

Centrifugation

1. Centrifugate 30 mL beer sample
2. Add QuickGEN buffer
3. Lysis and PCR in one step

Order-no./REF: Q002 (50 preparations)

Syringe Filtration for dispensing equipment

1. Filtrate beer sample through a syringe (volume depends on beer type)
2. Add QuickGEN buffer to the filter
3. Lysis and PCR in one step

Order-no./REF: Q009 (50 preparations)

Special real-time PCR Kits detect and identify microorganisms directly out of beer.

The detection limit is approximately 100 cfu.

Reference material

Product	Description	Art. No.	Rxn.
All-Screen reference material	Reference material from soy and corn meal with p35S, Tnos, pat, bar, pFMV, CTP2-CP4EPSPS (500mg)	RF-6x-mix	500 mg

Colour Compensation Kits for real-time PCR

Product	Description	Art. No.	Rxn.
LC 480 Colour Compensation TaqMan™ (LightCycler® 480)	Colour Compensation for TaqMan™ labelled systems	CC LC480 0005	5

PCR-Detection Kits

genControl® -GMO-Kits

All PCR-Kits are available for different real-time PCR machines on request.

Qualitative real-time PCR, if not indicated (FAM)

Product	Description	Art. No.	Rxn.
First-Plant & internal control	Plant in general, single copy (FAM), incl. internal Inhibition-Control (HEX)	PPLANT 0050	50
First-Plant & internal control	Plant in general, single copy (FAM), incl. internal Inhibition-Control (HEX)	PPLANT 0100	100
First-Plant Triplex I (corn/ soy/ canola) & internal control	FAM-corn/ HEX-canola/ CY5-soya/ ROX-IC	PMRS 0050	50
CaMV	Cauliflower Mosaik Virus	RT-CaMV-25	25
CaMV	Cauliflower Mosaic Virus	RT-CaMV-50	50
Duplex Virus : CaMV, FMV	Duplex Cauliflower Mosaik Virus and Figwort Mosaic Virus (FAM/HEX)	RT-Duplex-Virus-25	25
Duplex Virus : CaMV, FMV	Duplex Cauliflower Mosaik Virus and Figwort Mosaic Virus (FAM/HEX)	RT-Duplex-Virus-50	50
p35S/ T-nos Duplex- Screening	CaMVp35S/ T-nos -duplex PCR (FAM/HEX)	RTO-duplex-screen-50	50
p35S/ T-nos Duplex- Screening	CaMVp35S/ T-nos -duplex PCR (FAM/HEX)	RTO-duplex-screen-100	100
pat/ bar Duplex- Screening	pat/ bar-duplex PCR(FAM/HEX)	RTO-pat/bar duplex-50	50

Product	Description	Art. No.	Rxn.
pat/ bar Duplex- Screening	pat/ bar-duplex PCR (FAM/HEX)	RTO-pat/bar duplex-100	100
P-NOS-nptII Screening	P-NOS-nptII-PCR	RTO-pnos-nptII-50	50
P-NOS-nptII Screening	P-NOS-nptII-PCR	RTO-pnos-nptII-100	100
P35S-nptII Screening	P35S-nptII-PCR	RT-p35S-nptII-50	50
P35S-nptII Screening	P35S-nptII-PCR	RT-p35S-nptII-100	100
cry1Ab/Ac and P-nos Duplex-Screening	Cry1Ab/Ac/ Pnos duplex PCR (FAM/HEX)	RT-duplex-cry1A/P-nos-50	50
cry1Ab/Ac and P-nos Duplex-Screening	Cry1Ab/Ac/ Pnos duplex PCR (FAM/HEX)	RT-duplex-cry1A/P-nos-100	100
RT-triplex I p35S/ T-nos/ EPSPS	p35S/ T-nos/ CTP2-CP4EPSPS triplex PCR (FAM/HEX/CY5)	RT-Triplex1 -50	50
RT-triplex I p35S/ T-nos/ EPSPS	p35S/ T-nos/ CTP2-CP4EPSPS triplex PCR (FAM/HEX/CY5)	RT-Triplex1 -100	100
RT-triplex I I p35S/ T-nos/ pFMV	p35S/ T-nos/ pFMV triplex PCR (FAM/HEX/CY5)	RT-Triplex2 -50	50
RT-triplex I I p35S/ T-nos/ pFMV	p35S/T-nos/pFMV triplex PCR (FAM/HEX/CY5)	RT-Triplex2 -100	100
RT-triplex I I I p35S/ T-nos/ EPSPS & internal control	p35S/ T-nos/ CTP2-CP4EPSPS triplex PCR plus IC (FAM/HEX/ROX/CY5)	RT-Triplex3 -50	50
RT-triplex I I I p35S/ T-nos/ EPSPS & internal control	p35S/ T-nos/ CTP2-CP4EPSPS triplex PCR plus IC (FAM/HEX/ROX/CY5)	RT-Triplex3 -100	100
RT-triplex IV p35S/ T-nos/ pFMV & internal control	p35S/ T-nos/ pFMV triplex PCR plus IC (FAM/HEX/ROX/CY5)	RT-Triplex4 -50	50
RT-triplex IV p35S/ T-nos/ pFMV & internal control	p35S/T-nos/pFMV triplex PCR plus IC (FAM/HEX/ROX/CY5)	RT-Triplex4 -100	100
RT-triplex V bar/ pat/ EPSPS	bar/ pat/ CTP2-CP4-EPSPS (FAM/HEX/Cy5)	RT-triplex5 50	50
RT-triplex V bar/ pat/ EPSPS	bar/ pat/ CTP2-CP4-EPSPS (FAM/HEX/Cy5)	RT-triplex5 100	100
RT-triplex VI bar /pat /P-nos	bar /pat /P-nos (FAM/HEX/Cy5)	RT-triplex6 50	50
RT-triplex VI bar/ pat/ P-nos	bar/ pat/ P-nos (FAM/HEX/Cy5)	RT-triplex6 100	100
RT-triplex VII bar/ pat/ pFMV	bar/ pat/ pFMV (FAM/HEX/Cy5)	RT-triplex7 50	50
RT-triplex VII bar/ pat/ pFMV	bar/ pat/ pFMV (FAM/HEX/Cy5)	RT-triplex7 100	100
RT-triplex VIII pat/ Tnos/ EPSPS	pat/ T-nos/ CTP2-CP4-EPSPS (FAM/HEX/Cy5)	RT-triplex8 50	50
RT-triplex VIII pat/ Tnos/ EPSPS	pat/ T-nos/ CTP2-CP4-EPSPS (FAM/HEX/Cy5)	RT-triplex8 100	100
RR-Soya	GTS40-3-2 (RoundupReady™)-soya	RT-RR-25	25

Product	Description	Art. No.	Rxn.
RR-Soya	GTS40-3-2 (RoundupReady™)-soya	RT-RR-50	50
RR2-Soya	MON89788 (RoundupReady2™)-soya	RT-RR2-25	25
RR2-Soya	MON89788 (Roundup Ready2™)-soya	RT-RR2-50	50
A2704-12-Soya	A2704-12 (LibertyLink™)-soya	RT-A2704-Soya-25	25
A2704-12-Soya	A2704-12 (LibertyLink™)-soya	RT-A2704-Soya-50	50
A5547-127-Soya	A5547-127 (LibertyLink™)-soya	RT-A5547-Soya-25	25
A5547-127-Soya	A5547-127 (LibertyLink™)-soya	RT-A5547-Soya-50	50
GMO-Soy (4 GM-Soy)	RR-, RR2-, A2704-12-, A5547-127-soya and soya-reference (5 x 25 rxn) FAM	RT-GMSOY-25	25
Triplex-Soya I A2704/ A5547/ DP356043 all soy p35S positive	Triplex PCR A2704-12/ A5547-127/ DP356043-5 (FAM/HEX/CY5)	RT-Trip-soy1-25	25
Triplex-Soya I A2704/ A5547/ DP356043 all soy p35S positive	Triplex PCR A2704-12/ A5547-127/ DP356043-5 (FAM/HEX/CY5)	RT-Trip-soy1-50	50
Triplex-Soya II DP305423/ CV127/ MON87701 All without screening markers	Triplex PCR DP305423-1/ BPS-CV127-9 /MON87701 (FAM/HEX/CY5)	RT-Trip-soy2-25	25
Triplex-Soya II DP305423/ CV127/ MON87701 All without screening markers	Triplex PCR DP305423-1/ BPS-CV127-9 /MON87701 (FAM/HEX/CY5)	RT-Trip-soy2-50	50
Triplex-Soya III MON87708/ MON87769/ DAS68416 All without screening markers	Triplex PCR MON87708/ MON87769/ DAS68416 (FAM/HEX/CY5)	RT-Trip-soy3-25	25
Triplex-Soya III MON87708/ MON87769/ DAS68416 All without screening markers	Triplex PCR MON87708/ MON87769/ DAS68416 (FAM/HEX/CY5)	RT-Trip-soy3-50	50
Hexaplex Soya I DP305423/ CV127/ MON87701 MON87708/ MON87769/ DAS68416	Hexaplex Soya I FAM:DP305423/CV127/MON87701 HEX:MON87708/MON87769/DAS68416	RT-Hexaplex-Soya 1-25	25
Hexaplex Soya I DP305423/ CV127/ MON87701 MON87708/ MON87769/ DAS68416	Hexaplex Soya I FAM:DP305423/CV127/MON87701 HEX:MON87708/MON87769/DAS68416	RT-Hexaplex-Soya 1-50	50
MON810-Maize	MON810 (YieldGuard™)-maize	RT-MON810-25	25
MON810-Maize	MON810 (YieldGuard™)-maize	RT-MON810-50	50
Bt176-Maize	Bt176 (Maximizer™)-maize	RT-Bt176-25	25
Bt176-Maize	Bt176 (Maximizer™)-maize	RT-Bt176-50	50
Bt11-Maize	Bt11-maize	RT-Bt11-25	25

Product	Description	Art. No.	Rxn.
Bt11-Maize	Bt11-maize	RT-Bt11-50	50
T25-Maize	T25-maize	RT-T25-25	25
T25-Maize	T25-maize	RT-T25-50	50
TC1507-Maize	TC1507 (Herculex™)-maize	RT-TC1507-25	25
TC1507-Maize	TC1507 (Herculex™)-maize	RT-TC1507-50	50
MON88017-Maize	MON88017 (Rootworm™)-maize	RT-MON88017-25	25
MON88017-Maize	MON88017 (Rootworm™)-maize	RT-MON88017-50	50
GA21-Maize	GA21 (RoundupReady™)-maize	RT-GA21-25	25
GA21-Maize	GA21 (RoundupReady™)-maize	RT-GA21-50	50
NK603-Maize	NK603 (RoundupReady™)-maize	RT-NK603-25	25
NK603-Maize	NK603 (RoundupReady™)-maize	RT-NK603-50	50
MIR604-Maize	MIR604-maize	RT-MIR604-25	25
MIR604-Maize	MIR604-maize	RT-MIR604-50	50
MIR162-Maize	MIR162-maize	RT-MIR162-25	25
MIR162-Maize	MIR162-maize	RT-MIR162-50	50
MON863-Maize	MON863-maize	RT-MON863-25	25
MON863-Maize	MON863-maize	RT-MON863-50	50
MON89034-Maize	MON89034-maize	RT-MON89034-25	25
MON89034-Maize	MON89034-maize	RT-MON89034-50	50
E3272-Maize	E3272-maize (Event 3272 maize)	RT-E3272-25	25
E3272-Maize	E3272-maize (Event 3272 maize)	RT-E3272-50	50
DAS59122-Maize	DAS59122-7-maize	RT-DAS59122-25	25
DAS59122-Maize	DAS59122-7-maize	RT-DAS59122-50	50
CBH351-Maize	CBH351-maize (StarLink)	RT-CBH351-25	25
CBH351-Maize	CBH351-maize (StarLink)	RT-CBH351-50	50
GMO-Corn (7 GM-Maize)	MON810-, T25-, Bt11-, Bt176-, GA21-, MON88017-, TC1507-maize and maize-reference (8 x 25 rxn) FAM	RT-GMCORN-25	25
Triplex Maize I (VCO-01981-5 /DAS-40278-9 / LY038) All without screening markers	Triplex PCR VCO01981-5/ DAS40278-9/ LY038 (FAM/HEX/CY5)	RT Trip-maize1-25	25

Product	Description	Art. No.	Rxn.
Triplex Maize I (VCO-01981-5 /DAS-40278-9 / LY038) All without screening markers	Triplex PCR VCO01981-5/ DAS40278-9/ LY038 (FAM/HEX/CY5)	RT Trip-maize1-50	50
4-plex Maize I (NK603/ MON810/ MON89034/ TC1507)	Multiplex PCR NK603/ MON810/ MON89034/ TC1507 (FAM/HEX/ROX/CY5)	RT 4plex-maize1-25	25
4-plex Maize I (NK603/ MON810/ MON89034/ TC1507)	Multiplex PCR NK603/ MON810/ MON89034/ TC1507 (FAM/HEX/ROX/CY5)	RT 4plex-maize1-50	50
RT73-Canola (GT73)	RT73 (RoundupReady™)-canola	RT-RT73-50	50
Triplex-Canola I Ms8/ T45/ Rf3	Triplex PCR Ms8/ T45/ Rf3 (FAM/HEX/CY5)	RT-Trip-canola1-25	25
Triplex-Canola I Ms8/ T45/ Rf3	Triplex PCR Ms8/ T45/ Rf3 (FAM/HEX/CY5)	RT-Trip-canola1-50	50
H7-1 Beet & internal control	H7-1-beet (FAM) internal control (HEX)	RT-H7-1-beet-25	25
H7-1 Beet & internal control	H7-1-beet (FAM) internal control (HEX)	RT-H7-1-beet-50	50
GHB614-Cotton	GHB614-cotton (FAM)	RT-GHB614-25	25
EH92-527-1-Potato	EH92-527-1-potato (FAM)	RT-Amflora-25	25
EH92-527-1-Potato	EH92-527-1-potato (FAM)	RT-Amflora-50	50

Quantitative real-time PCR, if not indicated (FAM)

Product	Description	Art. No.	Rxn.
p35S/ Soya Quant	CaMVp35S Quantification in soya	Qp35S-Soya-50	50
p35S/ Soya Quant	CaMVp35S Quantification in soya	Qp35S-Soya-100	100
p35S/ Maize Quant	CaMVp35S Quantification in maize	Qp35S-Maize-50	50
p35S/ Maize Quant	CaMVp35S Quantification in maize	Qp35S-Maize-100	100
RR-Soya Quant	GTS40-3-2 (RoundupReady™)-Soya Quantification in soya	QRR-50	50
RR-Soya Quant	GTS40-3-2 (RoundupReady™)-Soya Quantification in soya	QRR-100	100
RR2-Soya Quant	MON89788 (RoundupReady2™)-Soya Quantification in soy	QRR2-50	50
RR2-Soya Quant	MON89788 (RoundupReady2™)-Soya Quantification in soy	QRR2-100	100
A2704-12-Soya Quant	A2704-12 (LibertyLink™)-Soya Quantification in soy	QA2704-50	50
Bt11-Maize Quant	Bt11-Maize Quantification in maize	QBt11-50	50
Bt11-Maize Quant	Bt11-Maize Quantification in maize	QBt11-100	100
Bt176-Maize Quant	Bt176-Maize Quantification in maize	QBt176-50	50
Bt176-Maize Quant	Bt176-Maize Quantification in maize	QBt176-100	100
MON810-Maize Quant	MON810-Maize Quantification in maize	QMON810-50	50
MON810-Maize Quant	MON810-Maize Quantification in maize	QMON810-100	100
MON89034-Maize Quant	MON89034-Maize Quantification in maize	QMON89034-50	50
MON89034-Maize Quant	MON89034-Maize Quantification in maize	QMON89034-100	100
NK603-Maize Quant	NK603-Maize Quantification in maize	QNK603-50	50
NK603-Maize Quant	NK603-Maize Quantification in maize	NK603-100	100
TC1507-Maize Quant	M TC1507-Maize Quantification in maize	QTC1507-50	50
TC1507-Maize Quant	MON TC1507-Maize Quantification in maize	QTC1507-100	100
T25-Maize Quant	T25-Maize Quantification in maize	QT25-50	50
T25-Maize Quant	T25-Maize Quantification in maize	QT25-100	100

First-PCR for Animal species

All PCR Kits are available for different real-time PCR machines on request.

Singleplex real-time PCR, qualitative with internal Control (FAM/HEX)

Product	Description	Art. No.	Rxn.
First-Beef (replacement for First-Cattle)	Cattle/ Beef	PHB 0050	50
First-Chicken	Chicken	PHC 0050	50
First-Donkey	Donkey	PHDO 0050	50
First-Duck	Duck	PHD 0050	50
First-Fish	Bone Fish	PHF 0050	50
First-Goat	Goat	PHG 0050	50
First-Horse	Horse	PHH 0050	50
First-Meat	mammalia and poultry	PHM 0050	50
First-Pig	Pig	PHP 0050	50
First-Pork	Pig/ Pork (very sensitive pig detection)	PHAP 0050	50
First-Ruminant	Ruminant animals according to EU	PHRU 0050	50
First-Sheep	Sheep	PHSP 0050	50
First-Turkey	Turkey	PHT 0050	50

Quantification is possible by combination of First-Meat as reference system with any other single specific animal-detection kit (except ruminant kit and multiplex kits)

Multiplex real-time PCR, qualitative

Product	Description	Art. No.	Rxn.
First-Animal Tetra I	Tetraplex PCR pork/ beef/ chicken/ turkey (FAM/HEX/ROX/Cy5)	ANIT1 0050	50
First-Meat Extended	mammalia and poultry/ human/ plant/ internal control (FAM/HEX/ROX/Cy5)	PHME 0050	50
First-duplex Donkey/ Horse & internal control	Duplex PCR donkey/ horse/ IC (FAM/HEX/Cy5)	PHDOH 0050	50
First-duplex Cattle/ Pig & internal control	Duplex PCR beef/ pork/ IC (FAM/HEX/Cy5)	PHCAP 0050	50
First-duplex Turkey/ Chicken & internal control	Duplex PCR chicken/ turkey/ IC (FAM/HEX/Cy5)	PHTC 0050	50

First-PCR for Allergens/ Plant species

All PCR-Kits are available for different real-time PCR machines on request.

Singleplex real-time PCR, qualitative with internal Control (FAM/HEX)

Product	Description	Art. No.	Rxn.
First-Almond	Almond	PALM 0050	50
First-Brazil nut	Brazil nut	PBRAZ 0050	50
First-Canola	Canola	PCAN 0050	50
First-Cashew	Cashew	PCAS 0050	50
First-Celery	Celery	PCEL 0050	50
First-Corn	Corn	PCOR 0050	50
First-Cotton	Cotton	PCOT 0050	50
First-Hazelnut	Hazelnut	PHAZ 0050	50
First-Lupine	Lupine	PLUP 0050	50
First-Macadamia	Macadamia	PMAC 0050	50
First-Peanut	Peanut	PPEA 0050	50
First-Pecan	Pecan	PPEC 0050	50
First-Pistachio	Pistachio	PPIST 0050	50
First-Plant	Plant in general, single copy	PPLANT 0050	50
First-Plant	Plant in general, single copy	PPLANT 0100	100
First-Plant Triplex I	Corn/ Canola/ Soya/ internal control	PMRS 0050	50
First-Potato	Potato	PPOT 0050	50
First-Rice	Rice	PRIC 0050	50
First-Sesame	Sesame	PSES 0050	50
First-Soya	Soybean	PSOY 0050	50
First-Walnut	Walnut	PWAL 0050	50
First-Wheat	Wheat (<i>Triticum</i> spp.)	PWHE 0050	50

Multiplex real-time PCR, qualitative

Product	Description	Art. No.	Rxn.
First-Duplex Mustard	mustard white/ mustard brown & black/ IC (FAM/HEX/ CY5)	PMUS 0050	50
First-Wheat Quant quantification of soft wheat in total wheat	<i>Triticum</i> spp/ <i>T. aestivum</i> / IC (FAM/HEX/CY5)	QPWHE 0050	50
First-Allergen Triplex Nut I peanut/ almond/ cashew	Multiplex PCR peanut/ almond/ cashew/ IC (FAM/HEX/CY5/ROX)	PPAC 0050	50
First-Allergen Triplex Nut II peanut/ almond/ hazelnut	Multiplex PCR peanut/ almond/ hazelnut/ IC (FAM/HEX/CY5/ROX)	PPAH 0050	50
First-Allergen Tetra I white mustard/ brown & black mustard/ celery/ sesame	Multiplex PCR white mustard/ brown & black mustard/ celery/ sesame (FAM/HEX/ROX/CY5)	ALLT1 0050	50
First-Allergen Tetra II lupine/ almond/ brazil nut/ sesame	Multiplex PCR lupine/ almond/ brazil nut/ sesame (FAM/HEX/ROX/CY5)	ALLT2 0050	50
First-Plant Triplex I maize/ canola/ soy	Multiplex PCR maize/ canola/ soy/ IC (FAM/HEX/ROX/CY5)	PMRS 0050	50

First-PCR for Microorganisms

Pathogene Bacteria, qualitative with Inhibition-Control

Product	Description	Art. No.	Rxn.
First-Campylobacter jejuni with internal Control	TaqMan™-Detection (FAM, HEX)	CJE 0050	50
First-Campylobacter jejuni Plus Kit: Incl. DNA-extraction Kit	TaqMan™-Detection (FAM, HEX)	SECJE 0200	200
Campylobacter jejuni Complete Kit: ready to use PCR, incl. DNA-extraction Kit	TaqMan™-Detection (FAM, HEX)	SECJEC 0200	200
Campylobacter diff. PCR (jejuni, lari and coli differentiated) with internal Control)	TaqMan™- Differentiation (FAM, JOE, ROX, CY5)	CAMPD 0050	50
Campylobacter diff. Complete: ready to use PCR, incl. DNA-extraction Kit	TaqMan™- Differentiation (FAM, JOE, ROX, CY5)	SECAMPDC 0050	200
Campylobacter PCR (jejuni, lari and coli/ FAM) with internal Control (JOE)	TaqMan™-Detection (FAM, JOE)	CAMP 0050	50
Campylobacter Plus Kit, incl. DNA-extraction Kit	TaqMan™-Detection (FAM, JOE)	SECAMP 0200	200
Campylobacter Complete Kit ready to use PCR, incl. DNA-extraction Kit	TaqMan™-Detection (FAM, JOE)	SECAMPC 0200	200
QuickGEN PCR-Kit Enterobacteriaceae	TaqMan™-Detection (FAM, HEX)	Q145	50
Salmonella enterica PCR with internal Control	TaqMan™-Detection (FAM, HEX)	PHS 0050	50
Salmonella Plus Kit, incl. DNA-extraction Kit	TaqMan™-Detection (FAM, HEX)	FSDPHS 0200	200
Salmonella Complete Kit ready to use, incl. DNA-extraction Kit	TaqMan™-Detection (FAM, HEX)	FSDPHSC 0200	200
First-Legionella Multiplex PCR Kit	Real-time PCR-Kit for detection and identification of <i>Legionella spp.</i> and <i>Legionella pneumophila</i> (FAM, HEX, CY5)	Q949	50
Listeria monocytogenes with internal Control	TaqMan™-Detection (FAM, HEX)	LMONO 0050	50
Listeria monocytogenes Plus Kit, incl. DNA-extraction Kit	TaqMan™-Detection (FAM, HEX)	SELMONO 0200	200
Listeria monocytogenes Complete Kit, ready to use, incl. DNA-extraction Kit	TaqMan™-Detection (FAM, HEX)	SELMONOC 0200	200

Further microbiological kits will follow in a separate catalogue

