

Eurofins GeneScan Technologies

Kits

Product List

2018 – V4



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DNA Extraction

DNA Extraction and Electrophoresis

Different DNA extraction kits serve for different sample types: The *DNAExtractor* is buffer-based and especially recommended for raw materials, soy products and grains/seed in general. Furthermore, there is the *DNAExtractor Fat* kit for DNA extraction from emulsifiers like lecithin, oils and fats. The *GENESpin* kit is very convenient to use for all kinds of food and feed samples. For real-time PCR applications, especially for grain and processed food samples, we recommend an additional DNA purification with our DNA Cleaning Columns following the DNA extraction.

Cat #	Item	Description
5224400605	GENESpin	DNA extraction kit for 50 food or feed samples
5224400610	10 x 5224400605 GENESpin	10 DNA extraction kits for 50 food or feed samples each
5224400630	30 x 5224400605 GENESpin	30 DNA extraction kits for 50 food or feed samples each
5224400650	50 x 5224400605 GENESpin	50 DNA extraction kits for 50 food or feed samples each
5224701901	Additional GENESpin Lysis Buffer	1000 mL GENESpin Lysis Buffer
5224400704	Additional GENESpin Binding Buffer	250 mL GENESpin Binding Buffer
5224700310	DNA Cleaning Columns	100 DNA cleaning columns
5224700315	5 x 5224700310 DNA Cleaning Columns	5 x 100 DNA cleaning columns
5224700311	10 x 5224700310 DNA Cleaning Columns	10 x 100 DNA cleaning columns
5224700610	DNAExtractor	DNA extraction kit for 50 seed, grain, food or feed samples (solvents not included)
5224700205	Additional lysis buffer for DNAExtractor	500 mL
5224700710	DNAExtractor Fat for lecithin, oil and fat	DNA extraction kit for 50 oil, fat or lecithin samples, solvents not incl.
5224701001	DNAExtractor Gelatin	DNA extraction kit for 50 gelatin samples, solvents not included
5224700110	Buffer EFG for emulsifier, fat and gelatin	2 x 50 mL
5224700910	DNAExtractor Honey (Qiagen/Retsch Tissue Lyser® needed)	DNA extraction kit for 50 honey/pollen samples
5217720401	DNA Length Standard pUC18 HAIII size marker 26 – 501 bp	500 µL, 0.05 µg/µL
5216700201	RNase	5 mg/mL, 0.5 mL
5216700205	RNase	50 mg/mL, 1 mL
5226700101	Proteinase K, solution	20 mg/mL, 750 µL

GMO and Plant Species: Qualitative Real-Time PCR

GMOScreen Kits for Real-time PCR

Our most convenient and economic approach to GMO screening: Duplex or Multiplex real-time PCR kits for comprehensive GMO screenings. The kits contain all reagents and controls needed.

Excel® evaluation sheets and our Eurofins GeneScan Technologies GMO screening table, a comprehensive tool for the intelligent combination of screening kits and the interpretation of screening results, are available on request. Please send an email to kits@eurofins.com.

Cat #	Item	Description
5421227101	GMOScreen RT 35S/NOS/ABII IPC (LR) for ABI 7500 (Fast)	96 RT-PCR reactions. Multiplex screening of p35s, tNOS, AgroBorder II with internal positive control (IPC). Validated for use on ABI 7500/ Fast.
5421227102	GMOScreen RT 35S/NOS/ABII IPC (NR) for MX3005P, AriaMX, CFX96 and Rotor-Gene Q	96 RT-PCR reactions. Multiplex screening of p35s, tNOS, AgroBorder II with internal positive control (IPC). Validated for use on MX3005P/MX3000P, AriaMX, CFX96 and Rotor-Gene Q.
5421220301	GMOScreen RT IPC (LR) 35S/NOS/FMV for ABI 7500 (Fast)	96 RT-PCR reactions. Multiplex screening of pFMV, p35s and tNOS in a single tube with internal positive control (IPC). Validated for use on ABI7500/Fast.
5421220302	GMOScreen RT IPC (NR) 35S/NOS/FMV for MX3005P/MX3000P, AriaMX, CFX96 and LC480	96 RT-PCR reactions. Multiplex screening of pFMV, p35s and tNOS with internal positive control (IPC). Validated for use on MX3005P/MX3000P, AriaMX, CFX96 and LC480.
5421227104 NEW!!!	GMOScreen RT IPC CsVMV / CV127 / DP305423-1 Soy (NR) for CFX96 and MX3005P/3000P	96 RT-PCR reactions. Multiplex screening of Soy CsVMV-pat /CV127/event DP305423-1 with internal positive control (IPC). Validated for use on CFX96 and MX3005P/3000P.
5421227105 NEW!!!	GMOScreen RT IPC (LR) CaMV 35S Terminator	96 RT-PCR reactions. Detection of CaMV 35S terminator sequences with internal positive control (IPC). Validated for ABI7500/Fast and MX3005P/MX3000P.
5421226701	GMOScreen RT IPC (LR) GM Soy I for ABI 7500 (Fast)	GMOScreen for comprehensive GMO detection in soy (LR) on ABI 7500 Fast, contains GMOScreen RT IPC 35S/NOS/FMV, GMOScreen RT IPC CV127/SAMS-ALS and GMOScreen RT IPC AgroBorder I/II.
5421226702	GMOScreen RT IPC (NR) GM Soy I for MX3005P/MX3000P and LC480	GMOScreen for comprehensive GMO detection in soy (NR) on MX3005P/MX3000P and LC480: contains GMOScreen RT IPC 35S/NOS/FMV, GMOScreen RT IPC CV127/SAMS-ALS and GMOScreen RT IPC AgroBorder I/II.
5421220001	GMOScreen RT IPC (LR) 35S/NOS	96 RT-PCR reactions. Duplex screening of p35S and tNOS with internal positive control (IPC). Validated for ABI7500/Fast, MX3005P/MX3000P and LC480.
5421220002	GMOScreen RT 35S/IPC and NOS/IPC (LR/HR+)	2 x 96 RT-PCR reactions For use on low-ROX and high-ROX cyclers with FAM and VIC filters.
5421220303	GMOScreen RT (LR/HR+) 35S/IPC and NOS/IPC and FMV/IPC	3 x 96 RT-PCR reactions. For detection of pFMV, p35s and tNOS with internal positive control (IPC). For use on low-ROX and high-ROX cyclers with FAM and VIC filters.

GMOScreen Kits for Real-time PCR

Cat #	Item	Description
5421220501	GMOScreen RT FMV/IPC (LR/HR+)	96 RT-PCR reactions. For detection of pFMV with internal positive control (IPC). For low- and high-ROX cyclers with FAM and VIC filters.
5421225002	GMOScreen RT IPC (LR) bar/pat (syn)	96 RT-PCR reactions. Duplex screening with internal positive control (IPC). Validated for LC480, Mx3000P/Mx3005P and ABI7500/Fast.
5421226201	GMOScreen RT IPC (LR) AgroBorder I/II	96 RT-PCR reactions. Duplex screening of AgroBorder I and II with internal positive control (IPC). Validated for ABI7500/Fast, MX3005P, AriaMX and LC480.
5421226501	GMOScreen RT IPC (LR) SAMS-ALS	96 RT-PCR reactions. Detection of SAMS-als modification (e.g. DP356043/ DP305423 soy) with internal positive control (IPC). Validated for ABI7500/Fast and MX3005P/MX3000P.
5421225601	GMOScreen RT IPC (LR) CV127/SAMS-ALS	96 RT-PCR reactions. Duplex-detection of CV127 soy and SAMS-als modification (e.g. DP356043/ DP305423 soy) with internal positive control (IPC) for inhibition control. Validated for ABI7500/Fast, MX3005P/MX3000P and LC480.
5421227103	GMOScreen RT IPC (LR) Event GA21/PMI-NOS	96 RT-PCR reactions. Duplex-screening for GA21 and pmi/nos modification (MIR604/MIR162/3272/5307) with internal positive control (IPC). Validated for use on ABI7500/Fast, MX3005P/MX3000P, AriaMX and CFX96.
5421226401	GMOScreen RT IPC (LR) CsVMV	96 multiplex-RT-PCR reactions. Screening for i.e. DAS-68416-4, DAS-44406-6, DAS-81419-2 soy with internal positive control (IPC). Validated for ABI7500/Fast, MX3005P/ MX3000P, AriaMX, CFX96 and LC480.
5421226801	GMOScreen RT IPC (LR/HR+) NOS-NPT	96 multiplex-RT-PCR reactions. Validated for ABI7500/Fast, MX3005P/ MX3000P and ABI7900.
5421226901	GMOScreen RT IPC (LR/HR+) 35S-NPT	96 multiplex-RT-PCR reactions. Validated for ABI7500/Fast, MX3005P/ MX3000P and ABI7900.
5421220401	GMOScreen RT IPC (NR) PVGT/NOS/NPTII/PAT	96 multiplex RT-PCR reactions. Multiplex screening of PVGT, tNOS, nptII and pat (syn) with internal positive control (IPC) for MX3005/MX3000P.
5421225201	GMOScreen RT (UMM) Cry1Ab/Ac	96 RT-PCR reactions for detection of Cry1Ab/Ac.

Verification and Accessory Kits for Real-time PCR

Cat #	Item	Description
5421299903	Verification kit for GMOScreen real-time PCR kits (35S, NOS, FMV, ABI)	Verification kit for GMOScreen RT kits (35S, NOS, FMV, ABI); LOD verification, DNAs, instruction and evaluation table included. One GMOScreen RT IPC kit needed additionally.
5421299906 NEW!!!	Verification kit for GMOIdent RT Event DAS-40278-9 Corn	Verification kit for the GMOIdent RT Event DAS-40278-9 Corn kit; LOD verification, DNAs, instruction and evaluation table included. One GMOIdent RT Event DAS-40278-9 Corn kit needed additionally.
5427200200	Eurofins Color Compensation Kit FAM, HEX	Eurofins Color Compensation Kit for kits with FAM, HEX labelling
5427200201	Eurofins Color Compensation Kit FAM, R6G	Eurofins Color Compensation Kit for kits with FAM, R6G labelling (i.e. for GMOScreen RT IPC CsVMV)
5427200300	Eurofins Color Compensation Kit FAM, HEX, Cy5	Eurofins Color Compensation Kit for kits with FAM, HEX, Cy5 labelling
5427200301	Eurofins Color Compensation Kit FAM, JOE, Cy5	Eurofins Color Compensation Kit for kits with FAM, JOE, Cy5 labelling (i.e. for GMOScreen RT IPC bar/pat)
5427200302	Eurofins Color Compensation Kit FAM, Cy5, R6G	Eurofins Color Compensation Kit for kits with FAM, Cy5, R6G labelling (i.e. for GMOScreen RT IPC AgroBorder I/II or DNAnimal Screen Halal IPC)
5427200400	Eurofins Color Compensation Kit FAM, HEX, Cal610, Cy5	Eurofins Color Compensation Kit for kits with FAM, HEX, Cal610, Cy5 labelling
5427200401	Eurofins Color Compensation Kit FAM, R6G, ROX, Cy5	Eurofins Color Compensation Kit for kits with FAM, R6G, ROX, Cy5 labelling (i.e. for GMOScreen RT IPC 35S/NOS/FMV)

GMOIdent RT Kits (Qualitative Real-time PCR)

The GMOIdent RT product line enables you to identify and/or exclude single GMO varieties in your sample with real-time PCR on many real-time cyclers. Many kits contain an internal positive control (IPC). Most kits employ the GMO PCR systems from the official European EURL methods. The kits are validated for use on ABI 7900, ABI 7500/Fast and Agilent MX3005P and can beyond this be used on most RT-PCR instruments (LR and HR), if not mentioned otherwise.

Soy

Cat #	Item	Description
5421240401 NEW!!!	GMOIdent RT IPC (LR) Event MON87708 Soy	Kit with 96 RT-PCR reactions for event-specific detection of MON87708 soy with internal positive control (IPC)
5421240101 NEW!!!	GMOIdent RT IPC (LR) Event DAS-68416-4 Soy	Kit with 96 RT-PCR reactions for event-specific detection of DAS-68416-4 soy with internal positive control (IPC)
5421240201 NEW!!!	GMOIdent RT IPC (LR) RoundupReady™ Soy	Kit with 96 RT-PCR reactions for modification-specific detection of GTS-40-3-2 soy with internal positive control (IPC)
5421222301 Limited availability	GMOIdent RT IPC RoundupReady™ Soy Will be discontinued and replaced by Cat # 5421240201	Kit with 96 RT-PCR reactions for modification-specific detection of GTS-40-3-2 soy with internal positive control (IPC)
5421230701	GMOIdent RT IPC (LR) Event MON87769-4 Soy	Kit with 96 RT-PCR reactions for event-specific detection of MON87769-4 Soy with internal positive control (IPC)
5421226101	GMOIdent RT IPC (LR) Event A2704-12 Soy	Kit with 96 RT-PCR reactions for event-specific detection of LibertyLink™ A2704-12 soy with internal positive control (IPC)
5421221901	GMOIdent RT IPC Event MON89788 Soy	Kit with 96 RT-PCR reactions for event-specific det. of MON89788 soy with internal positive control (IPC)
5421222701	GMOIdent RT IPC Event DP-305423-1 Soy	Kit with 96 RT-PCR reactions for event-specific detection of DP-305423-1 soy with internal positive control (IPC)
5421225101	GMOIdent RT IPC CV127 Soy	Kit with 96 RT-PCR reactions for event-specific detection of CV127 soy with internal positive control (IPC)
5421223701	GMOIdent RT Event A5547-127 Soy	Kit with 96 RT-PCR reactions for event-specific detection of LibertyLink™ A5547-127 soy
5421225301	GMOIdent RT Event MON87701Soy	Kit with 96 RT-PCR reactions for event-specific detection of MON87701 soy
5421225701	GMOIdent RT Event MON87705Soy	Kit with 96 RT-PCR reactions for event-specific detection of MON87705 soy
5421225901	GMOIdent RT Event FG72Soy	Kit with 96 RT-PCR reactions for event-specific detection of FG72 soy

Corn

Cat #	Item	Description
5421240301 NEW!!!	GMOIdent RT Event Bt176 Corn	Kit with 96 real-time PCR reactions for modification-specific detection of Bt176 corn
5421230801	GMOIdent RT IPC (LR/HR) Event 5307 Corn	Kit with 96 real-time PCR reactions for event-specific detection of 5307 corn with internal positive control (IPC)
5421230901	GMOIdent RT IPC (LR/HR) Event T25 Corn	Kit with 96 real-time PCR reactions for event-specific detection of T25 corn with internal positive control (IPC)
5421223201	GMOIdent RT Event Bt11 Corn	Kit with 96 real-time PCR reactions for event-specific detection of Bt11 corn
5421224801	GMOIdent RT Event MIR162 Corn	Kit with 96 real-time PCR reactions for event-specific detection of MIR162 corn
5421221001	GMOIdent RT IPC Event NK603 Corn	Kit with 96 real-time PCR reactions for event-specific detection of NK603 corn with internal positive control (IPC)
5421221101	GMOIdent RT IPC Event MIR604 Corn	Kit with 96 real-time PCR reactions for event-specific detection of MIR604 corn with internal positive Control (IPC)
5421221201	GMOIdent RT IPC Event DAS-59122-7 Corn	Kit with 96 real-time PCR reactions for event-specific detection of Herculex™ RW DAS-59122-7 corn with internal positive control (IPC)
5421222401	GMOIdent RT IPC Event TC1507 Corn	Kit with 96 real-time PCR reactions for event-specific detection of Herculex™ I TC1507 corn with internal positive control (IPC)
5421221501	GMOIdent RT IPC Event MON810 Corn	Kit with 96 real-time PCR reactions for event-specific detection of MON810 corn with internal positive. control (IPC)
5421221601	GMOIdent RT IPC Event MON89034 Corn	Kit with 96 real-time PCR reactions for event-specific detection of MON89034 corn with internal positive control (IPC)
5421221701	GMOIdent RT IPC Event MON863 Corn	Kit with 96 real-time PCR reactions for event-specific detection of MON863 corn with internal positive control (IPC)
5421221801	GMOIdent RT IPC Event MON88017 Corn	Kit with 96 real-time PCR reactions for event-specific detection of MON88017 corn with internal positive control (IPC)
5421222501	GMOIdent RT IPC Event GA21 Corn	Kit with 96 real-time PCR reactions for event-specific detection of GA21 corn with internal positive Control (IPC)
5421230501	GMOIdent VCO-01981-5 / DAS-40278-9 / Ly038 Corn IPC (LR) for ABI7500 (Fast)	Kit with 96 real-time PCR reactions. Multiplex detection of VCO-01981-5, DAS-40278-9 and Ly038 with internal positive control (IPC). Validated for use on ABI7500 (Fast).
5421230502	GMOIdent VCO-01981-5 / DAS-40278-9 / Ly038 Corn IPC (NR)	Kit with 96 real-time PCR reactions. Multiplex detection of VCO-01981-5, DAS-40278-9 and Ly038 with internal positive control (IPC). Validated for use on MX3005P/MX3000P and CFX96.

GMOIdent RT Kits (Qualitative Real-time PCR)

Cat #	Item	Description
5421230201	GMOIdent RT IPC Event VCO-01981-5 Corn (LR only)	Kit with 96 real-time PCR reactions for event-specific detection of VCO-01981-5 corn with internal positive control (IPC).
5421230301	GMOIdent RT IPC Event MON87427 Corn	Kit with 96 real-time PCR reactions for event-specific detection of MON87427 corn with internal positive control (IPC).
5421230401	GMOIdent RT IPC Event T14 Corn (LR only)	Kit with 96 real-time PCR reactions for event-specific detection of T14 corn with internal positive control (IPC).
5421225801	GMOIdent RT IPC Event MON87460 Corn	Kit with 96 real-time PCR reactions for event-specific detection of MON87460-4 corn with internal positive control (IPC).
5421226001	GMOIdent RT IPC Event DAS-40278-9 Corn	Kit with 96 real-time PCR reactions for event-specific detection of DAS-40278-9 corn with internal positive control (IPC).
5421224901	GMOIdent RT IPC Event 3272 Corn	Kit with 96 real-time PCR reactions for event-specific detection of 3272 corn with internal positive control (IPC).
5421225501	GMOIdent RT IPC Ly038 Corn	Kit with 96 real-time PCR reactions for modification-specific detection of Ly038 corn with internal positive control (IPC).

Rapeseed

Cat #	Item	Description
5421223501	GMOIdent RT IPC Event T45 Canola	Kit with 96 real-time PCR reactions for event-specific detection of LibertyLink™ T45 rapeseed with internal positive control (IPC)
5421224201	GMOIdent RT Event MS8 Rapeseed	Kit with 96 real-time PCR reactions for event-specific detection of MS8 rapeseed
5421224301	GMOIdent RT Event Rf3 Rapeseed	Kit with 96 real-time PCR reactions for event-specific detection of Rf3 rapeseed
5421224401	GMOIdent RT Event RT73 Rapeseed	Kit with 96 real-time PCR reactions for event-specific detection of RoundupReady™ RT73 rapeseed

Cotton

Cat #	Item	Description
5421222901	GMOIdent RT Event MON1445 Cotton	Kit with 96 real-time PCR reactions for event-specific detection of RoundupReady™ (MON1445) cotton
5421223401	GMOIdent RT Event MON88913 Cotton	Kit with 96 real-time PCR reactions for event-specific detection of RR Flex (MON88913) cotton
5421223901	GMOIdent RT Event MON531 Cotton	Kit with 96 real-time PCR reactions for event-specific det. of Bollgard™ (MON531/MON15985) cotton
5421224001	GMOIdent RT Event MON15985 Cotton	Kit with 96 real-time PCR reactions for event-specific det. of Bollgard2™ (MON15985) cotton
5421224101	GMOIdent RT Event LLCotton25 Cotton	Kit with 96 real-time PCR reactions for event-specific det. of LLCotton25™ (ACS-GHØØ1-3) cotton
5421224501	GMOIdent RT Event 281-24-236 Cotton	Kit with 96 real-time PCR reactions for event-specific detection of 281-24-236 cotton
5421224601	GMOIdent RT Event 3006-210-23 Cotton	Kit with 96 real-time PCR reactions for event-specific detection of 3006-210-23 cotton
5421224701	GMOIdent RT Event GHB614 Cotton	Kit with 96 real-time PCR reactions for event-specific detection of GHB614 cotton
5421226301	GMOIdent RT IPC (LR/HR+) VIP3Aa Cotton	Kit with 96 real-time PCR reactions, for detection of Vip3a cotton with internal positive control (IPC)

Rice

Cat #	Item	Description
5421222001	GMOIdent RT Event LL62 Rice	Kit with 96 real-time PCR reactions for event-specific detection of LL62 rice
5421222101	GMOIdent RT Event LL601 Rice	Kit with 96 real-time PCR reactions for event-specific detection of LL601 rice
5221103801	GMOIdent RT LibertyLink™ Rice	Kit with 96 real-time PCR reactions for detection (96 reactions) of LibertyLink™ varieties (p35s/bar) in rice
5221103809	GMOIdent RT LibertyLink™ Rice (with species control)	Kit 5221103801 plus rice species control (96 reactions each for GMO and rice species)
5421221401	GMOIdent RT Bt Rice	Kit with 96 real-time PCR reactions for detection of Bt63 rice in rice samples (method by Mäde et al.)
5421221409	GMOIdent RT Bt Rice (with species control)	5421221401 plus rice species control (96 reactions each for GMO and rice species)

Sugarbeet

Cat #	Item	Description
5421222801	GMOIdent RT IPC Event H7-1 Sugarbeet	Kit with 96 RT-PCR reactions for event-specific detection of H7-1 sugarbeet with internal positive control (IPC)

Flax

Cat #	Item	Description
5421222601	GMOIdent RT IPC FP967 Flax	Kit with 96 real-time PCR reactions for modification-specific detection of CDC Triffid™ flax/linseed with internal positive control (IPC)

Potato

Cat #	Item	Description
5421223601	GMOIdent RT Event EH92-527-1 Potato	Kit with 96 real-time PCR reactions for event-specific detection of Amflora™ EH92-527-1 potato

Salmon

Cat #	Item	Description
5421230601	GMOIdent RT IPC Accelerated Growth Salmon	Kit with 96 real-time PCR rxns, all reagents and controls included.

SpeciesScreen RT Kits (Qual. Real-Time PCR)

Cat #	Item	Description
5421229401	SpeciesScreen RT IPC Plant	Kit with 96 RT-PCR reactions for general plant DNA detection with internal positive control (IPC). All reagents and controls included.

SpeciesIdent RT Kits (Qualitative Real-time PCR)

Cat #	Item	Description
5421229901	SpeciesIdent RT IPC Corn/Maize (LR)	Kit with 96 RT-PCR reactions for corn/maize species detection with internal positive control (IPC). All reagents and controls included.
5421232001 NEW!!!	SpeciesIdent RT IPC Soy (LR)	Kit with 96 RT-PCR reactions for soy species detection with internal positive control (IPC). All reagents and controls included.
5421229301	SpeciesIdent RT IPC Soy (LR/HR)	Kit with 96 RT-PCR reactions for soy species detection with internal positive control (IPC). All reagents and controls included.
5421229501	SpeciesIdent RT IPC Cotton (LR/HR)	Kit with 96 RT-PCR reactions for cotton species detection with internal positive control (IPC). All reagents and controls included.
5421229601	SpeciesIdent RT IPC Rice (LR/HR)	Kit with 96 RT-PCR reactions for rice species detection with internal positive control (IPC). All reagents and controls included.
5421229201	SpeciesIdent RT IPC Rapeseed (LR)	Kit with 96 RT-PCR reactions for rapeseed species detection with internal positive control (IPC). Further Brassicaceae are detected as well. All reagents and controls included.
5421229701	SpeciesIdent RT IPC CaMV (LR/HR)	Kit with 96 RT-PCR reactions for Cauliflower Mosaic Virus species detection with internal positive control (IPC). All reagents and controls included.
5421229801	SpeciesIdent RT IPC Agrobacterium tumefaciens (LR)	Kit with 96 RT-PCR reactions for <i>Agrobacterium tumefaciens</i> species detection with internal positive control (IPC). All reagents and controls included.
5421230001	SpeciesIdent RT IPC Figwort Mosaic Virus (LR)	Kit with 96 RT-PCR reactions for <i>Figwort Mosaic Virus</i> species detection with internal positive control (IPC). All reagents and controls included.

SpeciesQuant RT Kits (Quantitative Real-time PCR)

SpeciesQuant RT Kits (Quantitative Real-time PCR)

Cat #	Item	Description
5421231001	SpeciesQuant Botanical Impurity Soy (LR) Mx	Kit for DNA extraction and RT-PCR quantification of soy as botanical impurity in max. 44 samples. Validated on on MX3000P/MX3005P.
5421233001 NEW!!!	SpeciesQuant Botanical Impurity Soy (LR)	Kit for DNA extraction and real-time PCR quantification of soy as bot. impurity in max. 44 samples. Validated on ABI 7500/Fast and CFX96.
5112702001 NEW!!!	1% Reference sample for Botanical Impurity Soy	2 g of 1% (w/w) soybean in maize flour; suitable for SpeciesQuant Botanical Impurity Soy (LR), Cat # 5421233001

GMOs and Plant Species: Conventional PCR

SpeciesIdent Kits for Gel-based PCR

With the SpeciesIdent product line, plant species as potential GMO sources and natural occurrence of the virus CaMV (source of the 35s promoter) as well as *A. tumefaciens* (source of nos promoter and terminator) can be detected/excluded.

The kits contain all reagents and controls for conventional PCR.

Cat #	Item	Description
5222104010	SpeciesIdent Cotton	Kit for cotton species DNA detection. Premaster and control DNA for 100 reactions
5222104210	SpeciesIdent Corn/Maize	Kit for corn/maize species DNA detection. Premaster and control DNA for 100 reactions
5222104110	SpeciesIdent Soy	Kit for soy species DNA detection. Premaster and control DNA for 100 reactions
5222103620	SpeciesIdent CaMV	Kit for Cauliflower Mosaic Virus reverse transcriptase gene detection. Premaster and control DNA for 100 reactions
5222104310	SpeciesIdent Agrobacterium tumefaciens	Kit for <i>Agrobacterium tumefaciens</i> nos gene detection. Premaster and control DNA for 100 reactions.

GMOScreen Kits for Gel-based PCR

Cat #	Item	Description
5221105610	GMOScreen 35S/NOS/FMV	Kit for a general screening for GMO in food/feed: detection of the CaMV 35s promoter, the A. tumefaciens nos terminator, the FMV 34s promoter and plant chloroplast DNA as control. Premasters for 100 reactions each, control DNA and gel length marker incl.
5221105010	GMOScreen 35S/NOS	Kit for a general screening for GMO in DNA from food/feed: detection of CaMV 35s promoter and nos terminator and plant chloroplast DNA. Premaster and control DNA for 100 reactions each, gel length marker incl.
5221105005	GMOScreen S 35S/NOS	like 5221105010, but with 50 reactions each
5221104420	GMOScreen Rapeseed	Kit for a comprehensive GMO screening in rapeseed samples: detection of nos terminator, pat(syn) gene, Laurical™ and Roundup Ready™ GT200 rapeseed with <i>Brassica</i> control reaction. Premasters for 50 reactions each, control DNAs and gel length marker included.
5221104014	GMOScreen Rapeseed II	Kit for a comprehensive GMO screening in rapeseed samples: detection of nos terminator, pat(syn) gene, PVGT and Laurical™ rapeseed with <i>Brassica</i> control reaction. Premasters for 50 reactions each, control DNAs and gel length marker included.
5221105811	GMOScreen Cry1Ab/Ac Mini-Kit	Kit for a general screening for GMO in DNA from food/feed: detection of cry1Ab/1Ac gene. Premaster and control DNA for 100 reactions.

GMODent Kits (Gel-based PCR Kits)

Cat #	Item	Description
5221102309	GMODent RoundupReady™ Soy	Kit for modification-specific detection of Roundup Ready™ soy and soy DNA (le1) control, 100 reactions each
5221102409	GMODent Maximizer™ Bt176 Corn	Kit for modification-specific detection of Bt176 corn with corn DNA (hmgA) control PCR, 100 reactions each
5221102509	GMODent Bt11/Bt10 Corn	Kit for modification-specific detection of Bt11 and Bt10 corn with corn (hmgA) control PCR, 100 reactions each
5221104109	GMODent Event Bt11 Corn	Kit for event-specific detection of Bt11 corn with corn DNA (hmgA) control PCR, 100 reactions each
5221102709	GMODent Event MON810 Corn	Kit for event-specific detection of MON810 corn with corn DNA (hmgA) control PCR, 100 reactions each

Cat #	Item	Description
5221104709	GMIdent MON88017/MON89034 Corn	Kit for modification-specific detection of MON88017 and MON89034 corn with corn control PCR, 100 reactions each
5221104809	GMIdent Event NK603 Corn	Kit for event-specific detection of NK603 corn with corn control PCR, 100 reactions each
5221104909	GMIdent Event MON863	Kit for event-specific detection of MON863 corn with corn control, 100 reactions each
5221103009	GMIdent RoundupReady™ GA21 Corn	Kit for modification-specific detection of GA21 corn with corn DNA (hmgA) control PCR, 100 reactions each
5221103209	GMIdent Event TC1507 Corn	Kit for event-specific detection of Herculex™ I TC 1507 corn with corn (hmgA) control PCR, 100 reactions each
5221104209	GMIdent Event DAS-59122-7 Corn	Kit for event-specific detection of Herculex™ Rootworm DAS-59122-7 corn with control (hmgA) control PCR, 100 reactions each
5221102809	GMIdent StarLink™ Corn	Kit for specific detection of StarLink™ CBH351 corn with corn DNA (hmgA) control PCR, 100 reactions each
5221103309	GMIdent Sunup™ Papaya	Kit for mod.-specific detection of Sunup™/Rainbow™ papaya with papaya control PCR, 100 reactions each
5221103701	GMIdent Mini-Kit Bt63 Rice	Kit for mod.-specific detection of Bt63 rice (100 reactions cry1Ac/NOS) in rice samples (w/o species control!)
5221105101	GMIdent Mini-Kit FP967 Flax	Kit for mod.-specific detection of CDC Triffid™ flax (100 reactions) (w/o species control!)
5221105201	GMIdent Mini-Kit SeedLink™ Canola	Kit for mod.-specific detection of SeedLink™ rapeseed (100 reactions) (w/o species control!)

GMOs: Quantitative Real-time PCR

GMOQuant Kits

The GMOQuant product line is designed for quantitation of GMOs in your sample. There are specific kits and kits for screening quantitation (35s promoter) available. The kits are validated on ABI, Agilent and Roche instruments, but can be used on any realtime PCR cyclers equipped with detection devices for the dyes contained in the kits.

All kits contain FAM (reporter dye), ROX (normaliser) and a quencher. The kits contain ready-to-use mastermixes for species and GMO for 48 reactions each, calibration DNA standards and a quantification control DNA.

With the setup recommended, the kits can be used for one 96-well plate with 9 samples.

GMOQuant Low ROX® (LR), e.g. for ABI7500/Fast, Bio-Rad IQ5, Roche LC 480, Agilent MX3005P/, MX3000P.
GMOQuant High ROX® (HR), e.g. for ABI 7300, 7900.

(^o)Kits marked “UMM” can be used for both, LR and HR cyclers!

Soy

Cat #	Item	Description
5125222601	GMOQuant (LR) Event MON87769 Soy	Kit for event-specific quantitation of MON87769 soy, with soy DNA (1e1) ref. PCR, 48 reactions each
5125222301	GMOQuant Duplex (LR) 35S/AgroBorder II Soy	Kit for a duplex GMO quantitation of CaMV 35S promoter and AgroBorder II soy (48 reactions) with soy DNA (1e1) reference PCR (48 reactions)
5125210001	GMOQuant Duplex (LR) 35S/MON89788 Soy	Kit for a duplex GMO quantitation of CaMV 35S promoter and event MON89788 soy (48 reactions) with soy DNA (1e1) reference PCR (48 reactions)
5125207201	GMOQuant (LR) 35S Screen Soy	Kit for a GMO CaMV p35S screening quantitation with soy DNA (1e1) ref. PCR, 48 reactions each
5125203101	GMOQuant (HR) 35S Screen Soy	Kit for a GMO CaMV p35S screening quantitation with soy DNA (1e1) ref. PCR, 48 reactions each
5125222001	GMOQuant (LR) AgroBorder II Screen Soy	Kit for screening quantitation of different GMOs with soy DNA (1e1) ref. PCR, 48 reactions each
5125222101	GMOQuant (HR) AgroBorder II Screen Soy	Kit for screening quantitation of different GMO with soy DNA (1e1) ref. PCR, 48 reactions each
5125203401	GMOQuant (LR) RoundupReady™ Soy	Kit for modification-specific quantitation of GTS-40-3-2 soy with soy DNA (1e1) ref. PCR, 48 reactions each
5125200401	GMOQuant (HR) RoundupReady™ Soy	Kit for modification-specific quantitation of GTS-40-3-2 soy with soy DNA (1e1) ref. PCR, 48 reactions each
5125206801	GMOQuant (LR) Event A2704-12 Soy	Kit for event-specific quantitation of A2704-12 soy with soy DNA (1e1) ref. PCR, 48 reactions each
5125206301	GMOQuant (HR) Event A2704-12 Soy	Kit for event-specific quantitation of A2704-12 soy with soy DNA (1e1) ref. PCR, 48 reactions each
5125207001	GMOQuant (LR) Event MON89788 Soy	Kit for event-specific quantitation of MON89788 soy with soy (1e1) ref. PCR, 48 reactions each
5125207101	GMOQuant (HR) Event MON89788 Soy	Kit for event-specific quantitation of MON89788 soy with soy DNA (1e1) ref. PCR, 48 reactions each
5125207501	GMOQuant (UMM*) Event DP-305423-1 Soy	Kit for event-specific quantitation of DP-305423-1 soy with soy (1e1) ref. PCR, 48 reactions each

Cat #	Item	Description
5125220201	GMOQuant (UMM*) Event DP-356043-5 Soy	Kit for event-specific quantitation of DP-356043-5 soy with soy (le1) ref. PCR, 48 reactions each
5125220301	GMOQuant (UMM*) Event MON87701 Soy	Kit for event-specific quantitation of MON87701 soy with soy (le1) ref. PCR, 48 reactions each
5125220601	GMOQuant (UMM*) Event A5547-127 Soy	Kit for event-specific quantitation of A5547-127 soy with soy (le1) ref. PCR, 48 reactions each
5125220701	GMOQuant (UMM*) Event CV127 Soy	Kit for event-specific quantitation of CV127 soy with soy (le1) ref. PCR, 48 reactions each
5125221601	GMOQuant (UMM*) Event MON87705 Soy	Kit for event-specific quantitation of MON87705 soy with soy (le1) ref. PCR, 48 reactions each

Corn

Cat #	Item	Description
5125203501	GMOQuant (LR) 35S Screen Corn	Kit for a GMO screening quantitation of CaMV 35S promoter with corn DNA (hmgA) reference PCR, 48 reactions each
5125200601	GMOQuant (HR) 35S Screen Corn	Kit for a GMO screening quantitation with corn DNA (hmgA) ref. PCR, 48 reactions each
5125222801	GMOQuant Duplex (LR) 35S/Event GA21 Corn	Kit for a duplex GMO screening quantitation of CaMV 35s promoter and Event GA21 (48 reactions) with corn DNA (hmgA) reference PCR (48 reactions)
5125222201	GMOQuant Duplex (LR) MIR162/MIR604 Corn	Kit for a duplex GMO quantitation of MIR162 and MIR604 (48 reactions) with corn DNA (hmgA) reference PCR (48 reactions)
5125222901	GMOQuant RT IPC (LR) Event MON87460 Corn	Kit for event-specific quantitation of Event MON87460 corn with corn (hmgA) reference PCR, 48 reactions each
5125222501	GMOQuant (LR) Event MON87427 Corn	Kit for event-specific quantitation of MON87427 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125222701	GMOQuant (LR) Event DAS-40278-9 Corn	Kit for event-specific quantitation of DAS-40278-9 corn, with corn DNA (hmgA) ref. PCR, 48 reactions each
5125222401	GMOQuant (LR) Event 5307 Corn	Kit for event-specific quantitation of 5307 corn with corn DNA (hmgA) reference PCR, 48 reactions each
5125207601	GMOQuant (LR) Event 3272 Corn	Kit for event-specific quantitation of 3272 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125221301	GMOQuant (HR) Event 3272 Corn Kit	GMOQuant (HR) Event 3272 Corn Kit. 48 rxns GMO and species reference each, calibration DNA and reference standard
5125209701	GMOQuant (LR) Event MIR162 Corn	Kit for event-specific quantitation of MIR162 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125221501	GMOQuant (HR) Event MIR162 Corn	Kit for event-specific quantitation of MIR162 corn with corn DNA (hmgA) ref. PCR, 48 reactions each

GMOQuant Kits

Cat #	Item	Description
5125204401	GMOQuant (LR) Event NK603 Corn	Kit for event-specific quantitation of NK603 corn with corn DNA (hmgA) reference PCR, 48 reactions each
5125204301	GMOQuant (HR) Event NK603 Corn	Kit for event-specific quantitation of NK603 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125204601	GMOQuant (LR) Event GA21 Corn	Kit for event-specific quantitation of GA21 corn with corn DNA (hmgA) reference PCR, 150 reactions each
5125204501	GMOQuant (HR) Event GA21 Corn	Kit for event-specific quantitation of GA21 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125206401	GMOQuant (LR) Event MIR604 Corn	Kit for event-specific quantitation of MIR604 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125205501	GMOQuant (HR) Event MIR604 Corn	Kit for event-specific quantitation of MIR604 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125206501	GMOQuant (LR) Event Bt11 Corn	Kit for event-specific quantification of Bt11 corn with corn (hmgA) reference PCR, 48 reactions each
5125209901	GMOQuant (HR) Event Bt11 Corn	Kit for event-specific quantitation of Bt11 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125207301	GMOQuant (LR) Event MON88017 Corn	Kit for event-specific quantitation of MON88017 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125207401	GMOQuant (HR) Event MON88017 Corn	Kit for event-specific quantitation of MON88017 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125206701	GMOQuant (LR) Event MON89034 Corn	Kit for event-specific quantitation of MON89034 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125206901	GMOQuant (HR) Event MON89034 Corn	Kit for event-specific quantitation of MON89034 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125207801	GMOQuant (LR) Event MON810 Corn	Kit for event-specific quantitation of MON810 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125201501	GMOQuant (HR) Event MON810 Corn	Kit for event-specific quantitation of MON810 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125208001	GMOQuant (LR) Event MON863 Corn	Kit for event-specific quantitation of MON863 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125208101	GMOQuant (HR) Event MON863 Corn	Kit for event-specific quantitation of MON863 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125209301	GMOQuant (LR) Event TC1507 Corn	Kit for event-specific quantitation of Herculex I™ TC1507 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125202301	GMOQuant (HR) Event TC1507 Corn	Kit for event-specific quantitation of Herculex™ I TC1507 corn with corn DNA (hmgA) reference PCR, 48 reactions each
5125208201	GMOQuant (LR) Event DAS-59122-7 Corn	Kit for event-specific quantitation of DAS-59122-7 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125202901	GMOQuant (HR) Event DAS-59122-7 Corn	Kit for event-specific quantitation of Herculex™ RW DAS-59122-7 corn with corn (hmgA) reference PCR, 48 reactions each
5125209401	GMOQuant (LR) Event Bt176 Corn	Kit for event-specific quantitation of Bt176 corn with corn DNA (hmgA) ref. PCR, 48 reactions each

Cat #	Item	Description
5125209801	GMOQuant (HR) Event Bt176 Corn	Kit for event-specific quantitation of Bt176 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125209601	GMOQuant (LR) StarLink™ Corn	Kit for modification-specific quantitation of StarLink™/CBH351 corn with corn DNA reference PCR, 48 reactions each
5125201801	GMOQuant (HR) StarLink™ Corn	Kit for specific quantitation of StarLink™/CBH351 corn with corn DNA (hmgA) ref. PCR, 48 reactions each
5125207701	GMOQuant (LR) LibertyLink™ Corn	GMOQuant (LR) LibertyLink™ Corn Kit. 48 reactions GMO and species reference each, calibration DNA and reference standard
5125201601	GMOQuant (HR) LibertyLink™ Corn	Kit for quantitation of LibertyLink™ (T14/T25) corn with corn DNA (hmgA) ref. PCR, 48 reactions each

Rapeseed

Cat #	Item	Description
5125208401	GMOQuant (UMM*) Event T45 Rapeseed	Kit for event-specific quantitation of T45 rapeseed with rapeseed DNA ref. PCR, 48 reactions each
5125208901	GMOQuant (UMM*) Event RT73 Rapeseed	Kit for event-specific quantitation of RT73 rapeseed with rapeseed DNA ref. PCR, 48 reactions each
5125209001	GMOQuant (UMM*) Event MS8 Rapeseed	Kit for event-specific quantitation of MS8 rapeseed with rapeseed DNA ref. PCR, 48 reactions each
5125209101	GMOQuant (UMM*) Event Rf3 Rapeseed	Kit for event-specific quantitation of Rf3 rapeseed with rapeseed DNA ref. PCR, 48 reactions each

Cotton

Cat #	Item	Description
5125220901	GMOQuant (LR) 3006-210-23 Cotton	Kit for event-specific quantitation of 3006-210-23 cotton with cotton DNA ref. PCR, 48 reactions each
5125221101	GMOQuant (LR) 281-24-236 Cotton	Kit for event-specific quantitation of 281-24-236 cotton with cotton DNA ref. PCR, 48 reactions each
5125221201	GMOQuant (HR) 281-24-236 Cotton	Kit for event-specific quantitation of 281-24-236 cotton with cotton DNA ref. PCR, 48 reactions each

Rice

Cat #	Item	Description
5125209201	GMOQuant (UMM*) Event LL62 Rice	Kit for event-specific quantitation of LL62 rice with rice DNA ref. PCR, 48 reactions each

Potato

Cat #	Item	Description
5125207901	GMOQuant (HR) Event EH92-527-1 Potato	Kit for event-specific quantitation of EH92-527-1 (Amflora™) potato with UDP-glycose pyrophosphorylase species ref. PCR, 48 rxns reactions each

GMOs and Plant Species: Control DNA

Control DNA GMOs

Control DNA i.e. for use with GMO/ident kit, if not mentioned otherwise made from 100% (w/w) GMO material. Sorted by species and concentration.

Cat #	Item	Packaging
5211508101	Genomic DNA 3272 corn, 10% GMO, made from ERM BF420c (SYN-E3272-5)	(100 copies GMO/ μ L) 0.15 mL
5211501001	Genomic DNA Bt11 corn, 5% GMO, made from ERM BF412f (SYN-BT011-1)	(100 copies GMO/ μ L) 0.15 mL
5211500701	Genomic DNA Bt176 corn, 5% GMO, made from ERM BF411f (SYN-EV176-9)	(100 copies GMO/ μ L) 0.15 mL
5211501301	Genomic DNA CBH351 corn (ACS-ZM004-3)	(100 copies/ μ L) 0.15 mL
5211501201	Genomic DNA GA21 corn, 5% GMO, made from ERM BF414f (MON-00021-9)	(100 copies GMO/ μ L) 0.15 mL
5211507101	Genomic DNA Herculex™ I TC 1507 corn, 10% GMO, from ERM BF418d (DAS-01507-1)	(100 copies GMO/ μ L) 0.15 mL
5211507201	Genomic DNA Herculex™ RW DAS-591227 corn, 10% GMO, made from ERM BF424b (DAS-59122-7)	(100 copies GMO/ μ L) 0.15 mL
5211516301	Genomic DNA MIR162 corn (SYN-IR162-4)	(100 copies/ μ L) 0.15 mL
5211506401	Genomic DNA MIR604 corn, 10% GMO, made from ERM BF-423d (SYN-IR604-5)	(100 copies GMO/ μ L) 0.15 mL
5211500901	Genomic DNA MON810 corn 5% GMO, made from ERM BF413f (MON-00810-6)	(100 copies GMO/ μ L) 0.15 mL
5211502301	Genomic DNA MON863 corn 10% GMO, made from ERM BF416d (MON-00863-5)	(100 copies GMO/ μ L) 0.15 mL
5211516401	Genomic DNA MON87460 corn (MON-87460-4)	(100 copies/ μ L) 0.15 mL
5211512001	Genomic DNA MON88017 corn (MON-88017-3)	(100 copies/ μ L) 0.15 mL
5211512101	Genomic DNA MON89034 corn (MON-89034-3)	(100 copies/ μ L) 0.15 mL
5211508201	Genomic DNA NK603 corn, 5% GMO, made from ERM BF415f (MON-00603-6)	(100 copies GMO/ μ L) 0.15 mL
5211500801	Genomic DNA T25 corn (ACS-ZM003-2)	(100 copies/ μ L) 0.15 mL
5211521201	Genomic DNA DAS-40278-9 (DAS-40278-9) corn 10% GMO, made from ERM BF433d	(100 copies/ μ L) 0.15 mL
5211512401	Genomic DNA LLCotton25 (ACS-GH001-3)	(100 copies/ μ L) 0.15 mL
5211511301	Genomic DNA MON1445 cotton (MON-01445-2)	(100 copies/ μ L) 0.15 mL
5211512201	Genomic DNA MON15985 cotton (MON-15985-7)	(100 copies/ μ L) 0.15 mL

Control DNA GMOs

Cat #	Item	Packaging
5211512301	Genomic DNA MON531 cotton (MON-ØØ531-6)	(100 copies/µL) 0.15 mL
5211511401	Genomic DNA MON88913 cotton (MON-88913-8)	(100 copies/µL) 0.15 mL
5211512701	Genomic DNA 281-24-236 x 3006-210-23 (Widestrike) cotton 10% GMO, made from ERM BF422d	(100 copies GMO/µL) 0.15 mL
5211509901	Plasmid DNA pGSE625 (FP967 flax; for use with EURL method QL-CON-00-010) (CDC-FLØØ1-2)	(100 copies/µL) 0.15 mL
5211515401	Plasmid DNA pGSE644 (Sunup™ papaya) (e.g. for LMBG §64 PCR and RT-PCR methods)	(100 copies/µL) 0.15 mL
5211514801	Genomic DNA Sunup papaya (event 55-1)	(100 copies/µL) 0.15 mL
5211505001	Plasmid DNA pGSE28 (Bt63 rice, for use with EURL method QL-CON-00-007)	(100 copies/µL) 0.15 mL
5211508501	Plasmid DNA pGSE219 (LL62 rice, ACS-OSØØ2-5), for use with EURL method QT-EVE-OS-002	(100 copies/µL) 0.15 mL
5211505401	Plasmid DNA pGSE220 (LL601 rice, for use with EURL method QL-EVE-OS-001)	(100 copies/µL) 0.15 mL
5211507901	Genomic DNA MS8 rapeseed (ACS-BNØØ5-8)	(100 copies/µL) 0.15 mL
5211512601	Genomic DNA Rf3 rapeseed (ACS-BNØØ3-6)	(100 copies/µL) 0.15 mL
5211501701	Genomic DNA RT73 rapeseed (MON-ØØØ73-7)	(100 copies/µL) 0.15 mL
5211512501	Genomic DNA T45 rapeseed (ACS-BNØØ8-2)	(100 copies/µL) 0.15 mL
5211521001	Genomic DNA DAS-68416-4 soy 10% GMO, made from ERM BF432d	(100 copies GMO/µL) 0.15 mL
5211521101	Genomic DNA DAS-44406-6 soy 10% GMO, made from ERM BF436e	(100 copies GMO/µL) 0.15 mL
5211524701	Genomic DNA DAS-81419 Soy	(100 copies/µL), 0.15 mL
5211511801	Genomic DNA A2704-12 soy (ACS-GMØØ5-3)	(100 copies/µL) 0.15 mL
5211512801	Genomic DNA A5547-127 soy (ACS-GMØØ6-4)	(100 copies/µL) 0.15 mL
5211515201	Genomic DNA CV127 soy (BPS-CV127-9)	(100 copies/µL) 0.15 mL
5211515101	Genomic DNA DP305423-1 soy (DP-3Ø5423-1) 10% GMO, made from CRM BF426d	(100 copies GMO/µL) 0.15 mL
5211515301	Genomic DNA DP356043-5 soy (DP-356Ø43-5) 10% GMO, made from CRM BF425d	(100 copies GMO/µL) 0.15 mL
5211514501	Genomic DNA MON87701 soy (MON-877Ø1-2)	(100 copies/µL) 0.15 mL
5211511901	Genomic DNA MON89788 soy (MON-89788-1)	(100 copies/µL) 0.15 mL
5211500601	Genomic DNA Roundup Ready™ Soy 10% GMO, made from ERM BF410gk (GTS-40-3-2, MON-Ø4Ø32-6)	(100 copies GMO/µL) 0.15 mL
5211507001	Genomic DNA H7-1 sugarbeet (KM-ØØØ71-4) 100% GMO, made from ERM BF419b	(100 copies/µL) 0.15 mL
5211519901 NEW!!!	Genomic DNA FG72 soybean (MST-FG072-2) from AOCS-0610-A, 100% (100 copies/µL), 0.15 mL	(100 copies/µL) 0.15 mL

Cat #	Item	Packaging
5211521301	Genomic DNA A2704-12 soy (ACS-GMØØ5-3)	(10.000 copies/µL) 0.15 mL
5211521401	Genomic DNA A5547-127 soy (ACS-GMØØ6-4)	(10.000 copies/µL) 0.15 mL
5211521501	Genomic DNA CV127 soy (BPS-CV127-9)	(10.000 copies/µL) 0.15 mL
5211521601	Genomic DNA MON87701 soy (MON-877Ø1-2)	(10.000 copies/µL) 0.15 mL
5211521701	Genomic DNA MON89788 soy (MON-89788-1)	(10.000 copies/µL) 0.15 mL
5211521801	Genomic DNA Roundup Ready™ Soy 10% GMO, made from ERM BF410gk (GTS-40-3-2, MON-Ø4Ø32-6)	(10.000 copies GMO/µL) 0.15 mL
5211522001	Genomic DNA DP305423-1 soy (DP-3Ø5423-1), 10% GMO, made from CRM BF426d	(10.000 GMO copies/µL) 0.15 mL
5211522101	Genomic DNA DP356043-5 soy (DP-356Ø43-5), 10% GMO, made from CRM BF425d	(10.000 GMO copies/µL) 0.15 mL

Control DNA for real-time PCR detection of GMOs in concentrations close to the LOD level

Cat #	Item	Packaging
5211513902	Genomic DNA MON810 maize (MON-ØØ81Ø-6) 5% GMO, made from ERM BF413f	(20 copies GMO/µL), 20 µL
5211513920	Genomic DNA MON810 maize (MON-ØØ81Ø-6) 5% GMO, made from ERM BF413f	(20 copies GMO/µL), 10 x 20 µL
5211514002	Genomic DNA T25 maize (ACS-ZMØØ3-2)	(20 copies GMO/µL), 20 µL
5211514020	Genomic DNA T25 maize (ACS-ZMØØ3-2)	(20 copies GMO/µL), 10 x 20 µL
5211513602	Genomic DNA RT73 rapeseed (MON-ØØØ73-7)	(20 copies GMO/µL), 20 µL
5211513620	Genomic DNA RT73 rapeseed (MON-ØØØ73-7)	(20 copies GMO/µL), 10 x 20 µL
5211513702	Genomic DNA MS8 rapeseed (ACS-BNØØ5-8)	(20 copies GMO/µL), 20 µL
5211513720	Genomic DNA MS8 rapeseed (ACS-BNØØ5-8)	(20 copies GMO/µL), 10 x 20 µL
5211513802	Genomic DNA Rf3 rapeseed (ACS-BNØØ3-6)	(20 copies GMO/µL), 20 µL
5211513820	Genomic DNA Rf3 rapeseed (ACS-BNØØ3-6)	(20 copies GMO/µL), 10 x 20 µL
5211514102	Genomic DNA LL62 rice (ACS-OSØØ2-5)	(20 copies GMO/µL), 20 µL
5211514120	Genomic DNA LL62 rice (ACS-OSØØ2-5)	(20 copies. GMO/µL), 10 x 20 µL
5211514202	Genomic DNA MON4032-6 soy (MON-Ø4Ø32-6) 10% GMO, made from ERM BF410gk	(20 copies GMO/µL), 20 µL
5211514220	Genomic DNA MON4032-6 soy (MON-Ø4Ø32-6) 10% GMO, made from ERM BF410gk	(20 copies GMO/µL), 10 x 20 µL

Control DNAs Plant Species

Cat #	Item	Packaging
5211516101	Genomic DNA Almond (<i>Prunus dulcis</i>)	(100 copies/ μ L) 0.15 mL]
5211516001	Genomic DNA Brazil Nut (<i>Bertholletia excelsa</i>)	(1 ng/ μ L) 0.15 mL
5211515601	Genomic DNA Corn/Maize (<i>Zea mays</i>)	(100 copies/ μ L) 0.15 mL
5211501801	Genomic DNA Cotton (<i>Gossypium</i>)	(100 copies/ μ L) 0.15 mL
5211515901	Genomic DNA Lupine (<i>Lupinus albus</i>)	(100 copies/ μ L) 0.15 mL
5211515701	Genomic DNA Rapeseed/Canola (<i>Brassica napus</i>)	(100 copies/ μ L) 0.15 mL
5211514601	Genomic DNA Rice (<i>Oryza sativa</i>)	(100 copies/ μ L) 0.15 mL
5211515801	Genomic DNA Sesame (<i>Sesamum indicum</i>)	(100 copies/ μ L) 0.15 mL
5211515501	Genomic DNA Soy (<i>Glycine max</i>)	(100 copies/ μ L) 0.15 mL
5211520403	Genomic DNA Alfalfa (<i>Medicago sativa</i>)	(10 ng/ μ L) 0.15 mL
5211520303	Genomic DNA Squash (<i>Cucurbita</i>)	(10 ng/ μ L) 0.15 mL
5211520203	Genomic DNA Papaya (<i>Carica papaya</i>)	(10 ng/ μ L) 0.15 mL
5211521901	Genomic DNA Soy (<i>Glycine max</i>)	(10.000 copies/ μ L) 0.15 mL

Animal Species: Qualitative Real-time PCR

DNAnimal Kits

The DNAnimal product line enables you to identify animal species in your sample.

If not specified otherwise, the kits can be used on both, high Rox (HR) and low rox (LR) real-time cyclers. See also our animal species control DNA on the following pages.

Cat #	Item	Description
5422221210	DNAnimal Screen Halal IPC (LR) Kit for simultaneous RT-PCR detection of pork and horse/donkey DNA	96 multiplex real-time PCR reactions with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7500/Fast, MX3005P/MX3000P, AriaMX, CFX96 and LC480.
5422221210	DNAnimal Screen Mammal & Bird IPC Kit for detection of mammalian and avian DNA (formerly named DNAnimal Screen Tetrapod)	96 real-time PCR reactions with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/MX3000P, AriaMX, CFX96 and LC480.
5422221110	DNAnimal Screen Ruminant IPC Kit for detection of ruminant DNA	96 real-time PCR reactions with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/ MX3000P, CFX96 and LC480.
5422221310	DNAnimal Screen Fish IPC Kit for detection of fish DNA	96 real-time PCR reactions with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/MX3000P and AriaMX.
5422221410	DNAnimal Screen Bird IPC Kit for detection of avian DNA	96 real-time PCR reactions with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/MX3000P and LC480.
5422220610	DNAnimal Ident Beef IPC Kit for identification of bovine DNA (detects besides <i>Bos taurus</i> also bison and several other <i>Bos</i> species).	96 real-time PCR reactions with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/MX3000P, AriaMX, CFX96 and LC480.
5422221910	DNAnimal Ident Pork IPC Kit for identification of porcine DNA (both, <i>Sus scrofa domestica</i> and <i>scrofa</i>)	96 real-time PCR reactions with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/MX3000P, AriaMX, CFX96 and LC480.
5422221810	DNAnimal Ident Pig HS IPC (LR) High Sensitivity kit for identification of porcine DNA (both, <i>Sus scrofa domestica</i> and <i>scrofa</i>) in low DNA samples (e.g. gelatin)	96 real-time PCR reactions with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7500/Fast, MX3005P/MX3000P and LC480. Intended for use with DNAExtractor Gelatin.
54222212010	DNAnimal Ident Meat IPC Kit for identification of bovine and porcine DNA	2x48 RT-PCR reactions with IPC, all reagents and positive control DNA included. Validated for ABI7900, ABI7500/Fast, MX3005P/MX3000P, AriaMX, CFX96 and LC480.
5422221010	DNAnimal Ident Chicken IPC (LR) Kit for identification of chicken (<i>Gallus gallus</i>) DNA	96 real-time PCR reactions with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7500/Fast, MX3005P/ MX3000P, AriaMX, CFX96 and LC480.

DNAnimal Kits

Cat #	Item	Description
542220410	DNAnimal Ident Duck IPC Kit for identification of duck (<i>Anas platyrhynchos</i> and <i>Cairina moschata</i>) DNA	96 real-time PCR reactions with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/ MX3000P, LC480, AriaMX and CFX96 Touch.
542220810	DNAnimal Ident Goose IPC Kit for identification of goose DNA	96 real-time PCR reactions with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/3000P, LC480, AriaMX and CFX96.
5422211510	DNAnimal Ident Turkey IPC Kit for identification of turkey DNA	96 real-time PCR reactions with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/3000P and LC480.
5422211610	DNAnimal Ident Goat IPC Kit for identification of goat DNA	96 real-time PCR reactions with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/3000P and LC480.
5422211710	DNAnimal Ident Sheep IPC Kit for identification of sheep DNA	96 real-time PCR reactions with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7900, ABI7500/Fast, MX3005P/3000P, AriaMX, CFX96, LC480.
542220110	DNAnimal Ident Horse IPC (LR) Kit for identification of horse DNA	96 real-time PCR reactions with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7500/Fast, CFX96, AriaMX, MX3005P/MX3000P.
542220910	DNAnimal Ident Water Buffalo IPC (LR) Kit for identification of water buffalo DNA	96 real-time PCR reactions with IPC, all reagents and controls included, for up to 46 samples. Validated for ABI7500/Fast, LC480, MX3005P/3000P.
542220210	DNAnimal Ident Donkey (LR) Kit for identification of donkey DNA.	96 real-time PCR reactions, all reagents and controls included, for up to 46 samples. Validated for ABI7500/Fast and MX3005P/MX3000P.

Animal Species: Control DNA and Meat Standards

Control DNAs Animal Species (ng/μL)

Cat #	Item	Packaging
5222582704	Genomic DNA Atlantic Cod (<i>Gadus morhua</i>)	0.2 mL [1 ng/μL]
5222582804	Genomic DNA Atlantic Halibut (<i>Hippoglossus hippoglossus</i>)	0.2 mL [1 ng/μL]
5222580804	Genomic DNA Cat (<i>Felis silvestris</i>)	0.2 mL [1 ng/μL]
5222581304	Genomic DNA Cattle (<i>Bos taurus</i>)	0.2 mL [1 ng/μL]
5222581306	Genomic DNA Cattle (<i>Bos taurus</i>)	150 μL [10 ng/μL]
5222580504	Genomic DNA Chicken (<i>Gallus gallus</i>)	0.2 mL [1 ng/μL]
5222580604	Genomic DNA Dog (<i>Canis lupus familiaris</i>)	0.2 mL [1 ng/μL]
5222582404	Genomic DNA Duck	0.2 mL [1 ng/μL]
5222580404	Genomic DNA Fallow Deer (<i>Dama dama</i>)	0.2 mL [1 ng/μL]
5222581804	Genomic DNA Goat (<i>Capra hircus</i>)	0.2 mL [1 ng/μL]
5222580204	Genomic DNA Goose (<i>Anser</i>)	0.2 mL [1 ng/μL]
5222580304	Genomic DNA Hare (<i>Lepus europaeus</i>)	0.2 mL [1 ng/μL]
5222581004	Genomic DNA Horse (<i>Equus caballus</i>)	0.2 mL [1 ng/μL]
5222580904	Genomic DNA Human (<i>Homo sapiens</i>)	0.2 mL [1 ng/μL]
5212583204	Genomic DNA Kangaroo (<i>Macropus rufus</i>)	0.2 mL [1 ng/μL]
5222582104	Genomic DNA Ostrich (<i>Struthio camelus</i>)	0.2 mL [1 ng/μL]
5222581504	Genomic DNA Pig (<i>Sus scrofa domestica</i>)	0.2 mL [1 ng/μL]
5222580704	Genomic DNA Rabbit (<i>Oryctolagus cuniculus</i>)	0.2 mL [1 ng/μL]
5222581904	Genomic DNA Red Deer (<i>Cervus elaphus</i>)	0.2 mL [1 ng/μL]
5222581204	Genomic DNA Roe Deer (<i>Capreolus capreolus capreolus</i>)	0.2 mL [1 ng/μL]
5222582604	Genomic DNA Saithe/Pollock (<i>Pollachius virens</i>)	0.2 mL [1 ng/μL]
5222582204	Genomic DNA Sika Deer (<i>Cervus nippon</i>)	0.2 mL [1 ng/μL]
5222581404	Genomic DNA Sheep (<i>Ovis aries</i>)	0.2 mL [1 ng/μL]
5222581604	Genomic DNA Springbok (<i>Antidorcas marsupialis</i>)	0.2 mL [1 ng/μL]
5222581104	Genomic DNA Turkey (<i>Meleagris gallopavo</i>)	0.2 mL [1 ng/μL]
5222580004	Genomic DNA Water Buffalo (<i>Bubalus bubalis</i>)	0.2 mL [1 ng/μL]
5222580006	Genomic DNA Water Buffalo (<i>Bubalus bubalis</i>)	150 μL [10 ng/μL]
5222581704	Genomic DNA Wild Boar (<i>Sus scrofa scrofa</i>)	0.2 mL [1 ng/μL]

Control DNAs Animal Species (copies/μL)

Cat #	Item	Packaging
5212582401	Genomic DNA Atlantic Halibut (<i>Hippoglossus hippoglossus</i>)	150 μL [100 copies/μL]
5212583401	Genomic DNA Bison (<i>Bison bison</i>)	150 μL [100 copies/μL]
5212583501	Genomic DNA Chamoise (<i>Rupicapra rupicapra</i>)	150 μL [100 copies/μL]
5212580501	Genomic DNA Chicken (<i>Gallus gallus</i>)	150 μL [100 copies/μL]
5212582801	Genomic DNA Donkey (<i>Equus asinus</i>)	150 μL [100 copies/μL]
5212582501	Genomic DNA Duck	150 μL [100 copies/μL]
5212580401	Genomic DNA Fallow Deer	150 μL [100 copies/μL]
5212583701	Genomic DNA Gemsbok (<i>Oryx gazella</i>)	150 μL [100 copies/μL]
5212583801	Genomic DNA Gnu (<i>Connochaetes</i>)	150 μL [100 copies/μL]
5212581801	Genomic DNA Goat (<i>Capra hircus</i>)	150 μL [100 copies/μL]
5212582901	Genomic DNA Horse (<i>Equus caballus</i>)	150 μL [100 copies/μL]
5212584001	Genomic DNA Kudu (<i>Tragelaphus</i>)	150 μL [100 copies/μL]
5212581501	Genomic DNA Pig (<i>Sus scrofa domestica</i>)	150 μL [100 copies/μL]
5212584101	Genomic DNA Pigeon (<i>Columba livia</i>)	150 μL [100 copies/μL]
5212584201	Genomic DNA Quail (<i>Coturnix coturnix</i>)	150 μL [100 copies/μL]
5212585201	Genomic DNA Rat (<i>Rattus norvegicus</i>)	150 μL [100 copies/μL]
5212581901	Genomic DNA Red Deer	150 μL [100 copies/μL]
5212581201	Genomic DNA Roe Deer	150 μL [100 copies/μL]
5212581401	Genomic DNA Sheep (<i>Ovis aries</i>)	150 μL [100 copies/μL]
5212581101	Genomic DNA Turkey (<i>Meleagris gallopavo</i>)	150 μL [100 copies/μL]
5222580001	Genomic DNA Water Buffalo (<i>Bubalus bubalis</i>)	150 μL [100 copies/μL]
5212584401	Genomic DNA Yak (<i>Bos mutus</i>)	150 μL [100 copies/μL]

Meat Standards

Cat #	Item	Packaging
5122700102	1% w/w horse in beef meat standard i.e. for threshold testing according to EURL-AP	2,0 +/- 0,1 g minced meat, frozen
5122700202	1% w/w pork in beef meat standard i.e. for threshold testing	2,0 +/- 0,1 g minced meat, frozen
5122700302	0,1% w/w pork in beef meat standard i.e. for threshold testing	2,0 +/- 0,1 g minced meat, frozen
5122700502	1% w/w beef in pork meat standard i.e. for beef threshold testing	2,0 +/- 0,1 g minced meat, frozen

Food Pathogens: Real-time PCR

BACGene Real-time PCR Kits

The BACGene product line is designed for a fast DNA extraction and real-time PCR identification of food pathogens. The kits contain all reagents and consumables for lysis and real-time PCR, starting from the enrichment media. The protocols are very simple and straight-forward. An evaluation sheet for convenient evaluation and documentation of results is supplied.

Cat #	Item	Description
5123221801	BACGene <i>Salmonella</i> spp.	Kit for 96 lysis and real-time PCR reactions for <i>Salmonella</i> spp. detection. Certifications: AOAC [®] Performance Tested SM (certificate no.121501) and NF VALIDATION certificate granted by AFNOR certification (EGS 38/01-03/15). For use with Agilent AriaMX and Bio-Rad CFX96 Touch.
5123221811	10 x 5123221801	Bulk kit with 10 x content of Cat # 5123221801. For high-throughput use, preferentially use the HTP kit with Cat # 5123221810.
5123221810	BACGene <i>Salmonella</i> spp. (10x) HTP	High throughput kit for 960 (10 x 96) lysis and real-time PCR reactions. Further details like for 5123221801 above.
5123221901	BACGene <i>Listeria</i> Multiplex	Kit for 96 lysis and real-time PCR reactions for multiplex detection of <i>Listeria monocytogenes</i> and <i>Listeria</i> spp.. Certifications: AOAC [®] Performance Tested SM (certificate no.061701) and NF VALIDATION certificate granted by AFNOR certification(EGS 38/05-03/17). For use with Agilent AriaMX and Bio-Rad CFX96 Touch.
5123221911	10 x 5123221901	Bulk kit with 10 x content of Cat #. 5123221901. For high-throughput use, preferentially use the HTP kit with Cat # 5123221910.
5123221910	BACGene <i>Listeria</i> Multiplex (10x) HTP	High throughput kit for 960 (10 x 96) lysis and real-time PCR reactions. Further details like for 5123221901 above.
5123222001	BACGene <i>Listeria monocytogenes</i>	Kit for 96 lysis and real-time PCR reactions for detection of <i>Listeria monocytogenes</i> . Certifications: AOAC [®] Performance Tested SM (certificate no. 061703) and NF VALIDATION certificate granted by AFNOR certification (EGS 38/03-01/17). For use with Agilent AriaMX and Bio-Rad CFX96 Touch.
5123222011	10 x 5123222001	Bulk kit with 10 x content of Cat # 5123222001. For high-throughput use, preferentially use the HTP kit with Cat # 5123222010.
5123222010	BACGene <i>Listeria monocytogenes</i> (10x) HTP	High throughput kit for 960 (10 x 96) lysis and real-time PCR reactions. Further details like for 5123222001 above.

Cat #	Item	Description
5123222101	BACGene <i>Listeria</i> spp.	Kit for 96 lysis and real-time PCR reactions for detection of <i>Listeria</i> spp.. Certifications: AOAC® Performance TestedSM (certificate no. 061702) and NF VALIDATION certificate granted by AFNOR certification (EGS 38/02-01/17). For use with Agilent AriaMX and Bio-Rad CFX96 Touch.
5123222111	10 x 5123222101	Bulk kit with 10 x content of Cat # 5123222101. For high-throughput use, preferentially use the HTP kit with Cat # 5123222110
5123222110	BACGene <i>Listeria</i> spp. (10x) HTP	High throughput kit for 960 (10 x 96) lysis and real-time PCR reactions. Further details like for 5123222101 above.
5123222201	PREraser BACGene NEW!!!	PREraser DNA BACGene, 2 x 48 reactions for elimination of free DNA from pathogen enrichments. Applicable with all BACGene kits. All reagents and lysis plate included.
5123222211	PREraser BACGene NEW!!!	Bulk kit with 10x content of Cat # 5123222201

Enrichment medium for BACGene™ (EU only)

Special enrichment media for BACGene *Listeria* product line protocols.

AOAC® Performance TestedSM (certificate no.061701; 061702; 061703) and NF VALIDATION certificate granted by AFNOR certification(EGS 38/05-03/17; 38/02-01/17; 38/03-01/17).

Cat #	Item
5613902001	Actero(TM) <i>Listeria</i> Enrichment Media, 500 g bottle (FCM-011)
5613902002	Actero(TM) <i>Listeria</i> Enrichment Media, 2 kg (FCM-022)
5613902010	Actero(TM) <i>Listeria</i> Enrichment Media, 10 kg (FCM-023)
5613902500	BUFFERED PEPTONE WATER 500 g, (= 25 L) according to ISO 6579, 22964, 6887/DIN 10181, 10160/ USP
5613902202	BUFFERED PEPTONE WATER 2 kg, (= 100 L) according to ISO 6579, 22964, 6887/DIN 10181, 10160/ USP
5613902210	BUFFERED PEPTONE WATER 10 kg, (= 500 L) according to ISO 6579, 22964, 6887/DIN 10181, 10160/ USP
5613902220	BUFFERED PEPTONE WATER (Dry Bags), 15 Bags per box; 20 L each

BACGene™ - Accessory items

Cat #	Item
5613900501	Blue cooling block 96 well for lysis
5613900601	Pink cooling block 96 well for PCR
5613901201	Blue work rack for lysis
5613901101	Pink work rack for PCR
5613901301	PCR rack – yellow, 1x96, lid included
5613901401	PCR rack – blue, 1x96, lid included
5613900401	MicroAmp Cap Installing Tool for use with BACGene kits for PCR or for lysis
5613900301	Domed caps for Lysis Plate (DNA extraction), 300 x 8 cap strips
5613901905	Lysis plate, for sample preparation, rippable, 1 bag with 5 plates
5613901925	Lysis plate, for sample preparation, rippable, 1 box with 25 plates
5617702208	Yellow PCR Support Grids, pack with 8 grids
5617702209	Blue PCR Support Grids, pack with 8 Grids
5617701300	Optical caps, for use with PCR plate, mat of 12 strips, rippable, 1 bag with 25 mats NEW!!!
5617700905	PCR plate, rippable, 1 bag with 5 plates
5617700925	PCR plate, rippable, 1 box with 25 plates

Food Pathogens: ELISA

BACSpec™ ELISA Kits

Cat #	Item	Description
4323410101	BACSpec Salmonella	BACSpec Salmonella, ELISA test for <i>Salmonella</i> , 1 plate with 96 wells. Certifications: AOAC® Performance Tested SM (certificate no. 960901).
4323410105	BACSpec Salmonella (5x)	BACSpec Salmonella (5x), ELISA test for <i>Salmonella</i> , 5 plates with 96 wells. Further details like for 4323410101 above.
4323410201	BACSpec Listeria	BACSpec Listeria, ELISA test for <i>Listeria</i> , 1 plate with 96 wells. Certifications: AOAC® Performance Tested SM (certificate no. 051703) and NF VALIDATION certificate granted by AFNOR certification (EGS 38/04-01/17)
4323410205	BACSpec Listeria (5x)	BACSpec Listeria (5x), ELISA test for <i>Listeria</i> , 5 plates with 96 wells. Further details like for 4323410201 above.

Enrichment medium for BACSpec™ (EU only)

Cat #	Item	Description
LAB589-AGS	LabM ELEB, 500g	Selective enrichment broth for use with Eurofins BACSpec Listeria kit

Tecna kits

Tecna, high quality ELISA for detection and quantification of Mycotoxins, Veterinary drug Residues and Allergens.

Only Germany, Austria and Switzerland- for other countries please contact Tecna at +39 040 3755341 or export@tecnalab.com for information about distribution.

Mycotoxins

Cat #	Item
MA314	I'screen AFLA, quantitative, ELISA, 96 det.
MA210	Celer® AFLA, quantitative, ELISA, 96 det.
MA213	Celer® AFLA, quantitative, ELISA, 192 det.
MA220	Celer® AFLA B1, quantitative, ELISA, 96 det.
MA223	Celer® AFLA B1, quantitative, ELISA, 192 det.
MA222	B ZERO® AFLA B1, quantitative, ELISA, 48 det.
AC010	Easypur AFLA, quantitative, ELISA, 25 units
MZ670	Celer® ZEA, ELISA, 96 det.
MZ673	Celer® ZEA, ELISA, 192 det.
MZ672	B ZERO® ZEA, ELISA, 48 det.
MF314	I'screen FUMO, quantitative, ELISA, 96 det.
MF100	Celer® FUMO, quantitative, ELISA, 96 det.
MF103	Celer® FUMO, quantitative, ELISA, 192 det.
MF102	B ZERO® FUMO, quantitative, ELISA, 48 det.
MD100	Celer® DON v2, quantitative, ELISA, 96 det.
MD103	Celer® DON v2, quantitative, ELISA, 192 det.
MD102	B ZERO® DON, quantitative, ELISA, 48 det.
MT100	Celer® T2, quantitative, ELISA, 96 det.
MT103	Celer® T2, quantitative, ELISA, 192 det.
OR360	I'screen OCHRA, quantitative, ELISA, 96 det.
OR370	Celer® OCHRA, quantitative, ELISA, 96 det.
OR372	B ZERO® OCHRA, quantitative, ELISA, 48 det.
MA418	I'screen AFLA M1, quantitative, ELISA, 96 det.
MA440	I'screen AFLA M1 milk version, quantitative, ELISA, 96 det.
MA443	I'screen AFLA M1 milk version, quantitative, ELISA, 192 det.
MA777	B ZERO® AFLA M1, quantitative, ELISA, 96 det.
MA778	B ZERO® AFLA M1, quantitative, ELISA, 48 det.
MA444	Dilution buffer for milk samples, 2x12 ml
MA450	Celer® AFLA M1 500, quantitative, ELISA, 96 det.

Cat #	Item
MA453	B ZERO® AFLA M1 500, quantitative, ELISA, 96 det.
MA810	Smart Strip AFLA, quantitative, LFD, 20 det.
MA820	Smart Strip AFLA B1, quantitative, LFD, 20.
MZ800	Smart Strip ZON, quantitative, LFD, 20 det.
MF800	Smart Strip FUMO, quantitative, LFD, 20 det.
MD800	Smart Strip DON, quantitative, LFD, 20 det.
LT911	Smart Strip Check - calibration strips, 2 det

Veterinary Drug Residues

Cat #	Item
SM380	I'screen Sulfa QL, qualitative, ELISA, 96 det.
SM390	I'screen Sulfa, quantitative, ELISA, 96 det.
SM392	B ZERO® SULFA, quantitative, ELISA, 48 det.
AB650	I'screen Strepto, quantitative, ELISA, 96 det.
AB658	B ZERO® Strepto, ELISA, 48 det.
AB654	Milk standard for I'Screen Strepto, 1.5 mL
AB670	I'screen Gentamicin, quantitative, ELISA, 96 det.
AB672	I'screen Neomycin, quantitative, ELISA, 96 det.
AB620	I'screen Tylosin, quantitative, ELISA, 96 det.
AB600	I'screen CAP total, ELISA, 96 det.
AB604	B ZERO® CAP total, ELISA, 96 det.
AB630	I'screen CAP, quantitative, ELISA, 96 det.
AB660	I'screen CAP v2, quantitative, ELISA, 96 det.
AB643	I'screen AOZ v2, quantitative, ELISA, 96 det.
AB648	I'screen AMOZ v2, quantitative, ELISA, 96 det.
AB647	I'screen SEM, ELISA, 96 det.
AB644	I'screen AHD, ELISA, 96 det.
AB686	I'screen QUINO ELISA kit, 96 det.
AB687	B ZERO® QUINO ELISA kit, 96 det.
FA624	I'screen DES, quantitative, ELISA, 96 det.
FA623	I'screen 19-Nortestosterone, quantitative, ELISA, 96 det.

Allergens

Cat #	Item
FA622	I'screen Trenbolone, quantitative, ELISA, 96 det.
FA621	I'screen Zeranol, quantitative, ELISA, 96 det.
FA650	Kit for Boldenone, quantitative, ELISA, 96 det.
FA679	I'screen Cortico, quantitative, ELISA, 96 det.
FA674	B ZERO® CORTICO, quantitative, 96 det.
AA101	Kit for Beta-agonists, quantitative, ELISA, 96 det.
AA107	I'screen Beta-ago, quantitative, ELISA, 96 det.
AA300	Ractopamine ELISA kit v2, quantitative, ELISA, 96 det.
CI005	Kit for Histamine, quantitative, ELISA, 96 det.
CI020	Precipitator agent for milk samples (CI005 kit), 20 ml
CI015	Histamine Card, semi-quantitative, LFD, 24 det.

Allergens

Cat #	Item
AL536	β-lactoglobulin ELISA, 96 Det.
AL436	β-lactoglobulin ELISA, 48 Det.
AL539	Casein ELISA, 96 Det.
AL439	Casein ELISA, 48 Det.
AL540	Egg-white ELISA, 96 Det.
AL440	Egg-white ELISA, 48 Det.

Eurofins GeneScan Technologies: FAQs

I am looking for an item that is not in your product list – is there a chance that you can offer it anyway?

In case you do not find a product of interest in our product list, please do not hesitate to contact us, we may be able to help.

Do you have a distributor in my country? / Are you looking for distributors?

We work with distributors in several countries and are open to new cooperations, please contact kits@eurofins.com for more information or to learn about our local distributor(s) in your country.

Do you accept credit cards (i.e. Master Card or Visa Card)?

We are sorry, we cannot process credit card payments, please do your payment by bank transfer instead.

How are the kits stored?

The storage conditions depend on the product: PCR kits have to be stored at -20 °C, other kits like the GENESpin kits at room temperature, and i.e. the DNA Cleaning Columns at 4 °C. The correct storage is shown on the product label and in the manual.

Are the manuals also available online?

Our manuals are only partially available online. If you need technical information on our products please contact kits@eurofins.com.

Do you have DNA extraction recommendations for certain sample types?

We offer different DNA extraction kits. Dependent on sample matrix, we recommend either our *GENE Spin* kit (processed food and feed) or our *DNA Extractor* (grains, seeds,...). We offer also kits for special sample matrices, as our *DNA Extractor Fat* kit (for oil, lecithin and fat), *DNA Extractor Gelatin* or *DNA Extractor Honey* kit.

My sample DNA inhibits my PCR – what can I do?

Most probable reasons for inhibition of PCR reactions are high DNA concentration or the presence of inhibitory substances. In case you observe inhibition of your PCR reaction (no amplification of internal positive control) you should try to use more diluted DNA sample or to purify the DNA in an additional step, e.g. using our DNA cleaning columns.

What is the LOD of your kits?

The limit of detection (LOD) depends on the type of analysis and the sample. We validate our qualitative kits in general for absolute LOD, LODabs, of ≤ 10 copies and relative LOD, LODrel, of 0,01%.

Do you offer trainings?

Yes, we do offer trainings for our kits, either in your lab or at Eurofins GeneScan Technologies GmbH in Freiburg, Germany. We do also offer webinars on different user aspects. Please contact us for further information or see the announcement on our website: <https://www.eurofins.de/kits>.

What means HR, LR or NR?

HR = High ROX, LR = Low ROX and NR = No ROX refer to the ROX level of the reagents included in the respective kit. ROX is a passive reference dye which is used on certain real-time PCR cyclers to normalize differences between wells which might occur e. g. due to pipetting errors or instrument limitations. Please refer to your cycler's specifications to find out which ROX level is appropriate for your cycler. Below you will also find an overview of LR, NR and HR cyclers.

Does the kit work also on my cycler?

Kit-specific information regarding cycler validation are usually listed in our manuals and the product list. In case the kit is not validated for your specific cycler, we recommend that you perform a thorough validation yourself instead of a method verification only.

Which kits can I use on my cycler?/ Do I need a No Rox, Low Rox or High Rox kit?

This depends on your cycler. For LR and NR cyclers, you may use our LR and NR kits. For HR cyclers, you should use HR kits only. UMM kits can technically be used on all cyclers. Please also consider, if the kit was validated for your specific cycler, otherwise we recommend to validate the kit for use on your individual cycler. Here is an overview of LR, NR and HR cyclers (see table below).

HR (high ROX)	LR (low ROX)	NR (no ROX)
ABI PRISM® 7000	Applied Biosystems® 7500 / FAST	Bio-Rad CFX96 Touch™
ABI PRISM® 7300	ViiA™7	Roche LightCycler® 480
ABI PRISM® 7700	Agilent Mx3000P™	Rotor-Gene™ 3000
ABI PRISM® 7900	Agilent Mx3005P™	Rotor-Gene™ 6000
Bio-Rad Opticon™2	Agilent Mx4000®	Agilent Mx3000P™
Applied Biosystems® StepOne™	Bio-Rad iQ™5	Agilent Mx3005P™
Applied Biosystems® StepOnePlus™	MJ Research Chromo4	Agilent AriaMx™
	MasterCycler® ep RealPlex4	

General Terms & Conditions of Sale (GTCS) of Eurofins GeneScan Technologies GmbH

1. Scope of application and derogations from the GTCS

1.1 The following General Terms and Conditions of Sale ("GTCS"), in the version applicable on the conclusion of the contract, shall be applicable to all purchase orders (i.e. offers) which are accepted by the Contractor or its subsidiaries or sister companies (referred to hereinafter as "ES") (the undertaking with which individual purchase orders are placed shall be referred to hereinafter as the "Contractor"). They shall also apply to purchase orders made by telephone that are not confirmed in writing and to those purchase orders that arise through the provision of samples. A contract subject to these GTCS shall arise as a consequence of the Contractor's acceptance of a purchase order. This shall occur either through (a) the Contractor's performance of the purchase order (in such a case the written confirmation of the Contractor shall not be required) or (b) the Contractor's written acceptance of the purchase order.

1.2 Apart from the managing director and the authorised representatives (holder of *Prokura*) of the Contractor, no employee, representative/agent or sub-contractor of ES shall be entitled to authorise any derogation from the provisions of the GTCS or to waive their application or to bind the Contractor in any manner which would lead to the applicability of any contrary provisions which in terms of their content might conflict with the GTCS or take precedence over them. Such a modification or waiver of the applicability of the GTCS shall only be binding upon the Contractor to the extent that it is recorded or given in writing and is signed by the managing director of the Contractor or by one of its authorised representatives (holder of *Prokura*).

2. Placing of purchase orders; non-applicability of contrary contractual terms and conditions; no order for collection

2.1 In order to be placed effectively, a purchase order must be issued by a Customer using its letterhead by post, fax or electronic form of communication or by using an ES-approved order form ("Sample Submission Form") or an electronic order form. It shall furthermore be necessary to have reached an agreement at the date of the placement of purchase order in relation to all of the necessary commercial details which are not covered by these GTCS (including price, estimated period for performance and the delivery date). On request, the Customer must immediately confirm in writing those purchase orders which have been placed by means of telephone. In the event that a Customer provides to the Contractor samples, this shall also be deemed to be the placement of a purchase order. The Contractor shall not be obliged to commence any analysis before all of the terms of the purchase order are absolutely clear and prior to having been provided with all of the necessary information.

2.2 To the extent that no contrary provisions are expressly agreed in writing and signed by a managing director or an authorised representative (holder of *Prokura*) of the Contractor, the General Terms & Conditions of Business of a Customer shall be without any effect, even if such Customer refers or has referred at some point in time to its General Terms & Conditions of Business. Furthermore, any earlier acceptance of special terms and conditions in the context of a

previous purchase order (including special provisions in relation to price) shall not mean that such special conditions shall be accepted in the future in the context of any subsequent purchase orders. Each purchase order which is accepted by the Contractor shall to such an extent be viewed as a separate contract between the Contractor and the Customer.

2.3 In the event that the Customer subsequently stipulates additional requirements in connection with an existing contract, the Contractor shall be entitled to invoice a management and administration fee in the amount of up to € 25.00. Should the Customer stipulate additional requirements in connection with samples which have already arrived at the laboratory, this shall be deemed to constitute a new purchase order and may lead to a corresponding postponement of the previously estimated delivery dates.

2.4 The collection and delivery of the sample or any other logistical measures shall be a matter for the Customer and shall be carried out or organised by the Customer at the Customer's own risk. If the Contractor renders assistance in organising the transport or in logistical measures outside the laboratory, the Contractor shall act in the name of and on the authority of the Customer, so that the risk of transport or any delays in transport, e.g. by messengers/couriers, shall be the Customer's responsibility and the consequences shall be borne by the Customer. The messenger/courier is not the Contractor's vicarious agent and shall contract only with the Customer.

3. Prices and payment terms

3.1 Prices shall be stipulated "ex works" (Incoterms 2010) and shall not include packaging, which shall be invoiced separately. This shall not apply should any provisions to the contrary be agreed. All additional costs or expenditure (e.g. such costs and expenditure as may be incurred by the Contractor in connection with the contract) shall be borne by the Customer.

3.2 Prices shall be stipulated net of any taxes payable (including value-added tax) on the basis of the rates applicable at the date of the issue of the invoice.

3.3 Any query or objection in relation to an invoice must be submitted within a period of 45 days from the date of receipt of such invoice. In the event that the Customer has doubts in relation to the accuracy of the results of any analysis, this shall not entitle the Customer to withhold payment, insofar as the defective nature of the results of the analysis and the Customer's counter-claims resulting therefrom are not undisputed, are not acknowledged by the Contractor or have not been judicially established. Should the Customer default on any payment, all sums owed to the Contractor by the Customer – including any sums owed pursuant to other contracts – shall become immediately due and payable. The Contractor shall be entitled in the event of default to apply default interest of 8 percentage points above the base rate. The right of the Contractor to assert its claims in respect of any demonstrable damage suffered as a result of such default which may exceed such rate shall not be affected hereby.

3.4 If at the request of the Customer a new invoice must be issued, the Contractor may invoice an administration fee of €15.00.

3.5 Payments shall be made by way of a bank transfer or by direct debit. Other means of payment shall require the prior consent of the Contractor. The Customer shall be obliged to provide the required bank account details to the Contractor.

3.6 The Contractor shall be entitled to make the execution of a contract contingent upon the advance payment of up to 100% of the estimated consideration payable.

4. Obligations of the Customer in connection with the delivery of samples or materials

4.1 Samples or materials must be in a condition which permits the production of reports/analyses or the production of the products commissioned without any problems arising. The Contractor shall be entitled to carry out an examination of any sample or materials on their delivery in order to establish their condition prior to the processing of the sample or the preparation of a report or their use in the production process. The Customer shall be obliged to bear the costs of such an inspection on delivery, should it emerge that the sample or materials do not comply with the requirements set out in section 4.1. In the event that the result of the inspection on delivery reveals that analysis or production will be impossible or only possible in more onerous circumstances than originally anticipated – for example because the sample or materials contain foreign materials or substances in respect of which the Customer has provided no information or if they have degraded or decomposed – the Contractor shall be entitled to withdraw from the contract or to suspend the performance of the purchase order. In such a case the Customer shall bear the costs which the Contractor has incurred until such point in time.

4.2 The Customer warrants and has an obligation towards the Contractor to ensure that all samples sent to the Contractor for purposes of analysis are in a safe and stable condition. The Customer must ensure and hereby warrants that the samples shall constitute no danger to the property and any other legal interests of the Contractor or ES and to their employees and other agents or third parties – neither on the facility premises of the Customer nor during shipment, in the laboratory or on any other premises belonging to the Contractor or ES. If a sample is dangerous or represents special waste or hazardous materials, the Customer must inform the Contractor in writing prior to its dispatch. At the request of the Contractor, the Customer shall be obliged to inform the Contractor of any substances known to the Customer and of the exact origin of the sample. It shall be the responsibility of the Customer to comply with the statutory provisions relating to special waste and hazardous materials. Such obligations shall also relate to the provision of information, the inscription/labelling on the packaging, shipment and removal/disposal. In particular, the employees or other agents of the Contractor must be informed of any health or safety concerns in connection with the samples. Such concerns shall include in particular those in connection with known or presumed toxic substances or any other contamination of a sample and the presumed level of contamination, as well as any risks to the property and other legal interests of the Contractor or ES and to their employees and other agents or third parties in connection with such contamination. In the event of any breach of these obligations, the Customer shall be liable for any costs, damage and any other prejudice which are incurred or suffered by the Contractor or ES or their personnel or other agents as a result thereof; this shall be the case irrespective of whether such costs, damage or prejudice are incurred or

suffered on the premises of the Customer (for instance in the context of the taking of a sample), during shipment, in the laboratory or on any other premises belonging to the Contractor or ES. Such liability shall also include a corresponding obligation to indemnify the Contractor and ES in the event of any proceedings being instigated against them by third parties. The Customer shall not be liable under the foregoing provisions if the Customer cannot be held responsible for the breach of contract.

4.3 The Customer shall bear the costs of the reasonable removal/disposal of special waste and hazardous materials which are incurred as a result of the nature of the samples provided by the Customer. This shall be the case irrespective of whether or not the sample has been designated as special waste or a hazardous material.

5. Rights of title in the samples; storage of samples

5.1 All samples shall be the property of the Contractor to the extent that this is necessary in order to perform the purchase order. To the extent that storage, which shall be invoiced separately, has not been agreed, the Contractor shall not be obliged to ensure the storage and/or refrigeration of any sample. If storage, which shall be invoiced separately, has been agreed, the Contractor shall take commercially reasonable measures in accordance with standard professional practices to store the samples.

5.2 The Contractor shall be entitled to dispose of or destroy sample material in order to prepare and carry out the analysis and to dispose of and destroy the actual samples immediately upon the completion of analyses, unless the Parties have agreed in writing to a retention. If a specific retention period has been agreed, the Contractor shall be entitled to dispose of or destroy the sample without prior notice on the expiry of such period. Should such disposal or destruction be subject to specific statutory provisions (e.g. in the case of special waste or hazardous materials), the Customer shall bear any costs which are incurred in connection therewith. In the event that the Customer requests the return of sample materials no longer required, the Contractor shall return such sample materials at the expense and risk of the Customer.

6. Delivery dates and completion periods

6.1 Delivery dates and completion periods shall be estimates and shall not be binding upon the Contractor. The Contractor shall nonetheless be required to use its commercially reasonable endeavours to comply with the estimated periods.

6.2 Results shall as a rule be sent on the completion of the analysis by e-mail and/or post or by any other electronic means to those persons designated by the Customer on placing the purchase order.

7. The transfer of title and other rights; residual rights in the results of the analyses

7.1 The rights of title and any other rights in the results of the analyses, products, equipment, software or similar services provided by the Contractor to the Customer shall be retained by the Contractor until such time as all invoices relating thereto have been paid in full by the Customer. Until such invoices have been paid in full the Customer shall have no rights of title in or any other rights to exploit the services provided. Should the Customer be in arrears with the settlement of any sums which are payable to the Contractor

or ES, the Contractor shall be entitled to suspend the execution of the purchase order and any other work being carried out on behalf of the Customer. This shall also apply if the payment which is late is payable pursuant to another purchase order.

7.2 Even after a payment has been made in full by the Customer, the Contractor shall have the right to retain the results of any analyses carried out and to make use of such results in an anonymised form which does not permit the identification of the Customer, and to publish such results to the extent that this does not cause a prejudice to any legitimate interests of the Customer which are known to the Contractor.

8. Limitations on warranties and responsibilities; liability and indemnity obligations of the Customer

8.1 Insofar as nothing to the contrary has been agreed, the service to be provided by the Contractor shall be limited to performing analyses and preparing an analysis report. The Contractor has no obligation to give advice or provide more detailed expert opinions unless expressly agreed otherwise in the individual case. Purchase orders shall be executed under the conditions available to the Contractor in accordance with the state of the art. It is not necessary to comply with specific DIN/EN rules. The Contractor shall select a method suitable for fulfilling its contractual obligations and may also abandon this method and choose another suitable method. Results cannot be 100% accurate and/or relevant in all cases. Depending on the method of analysis, the result of the analysis notified to the Customer shall correspond to a value in a range of values that may result from various methods of analysis according to the state of the art. Analyses, interpretations, estimates, consultancy services and inferences shall be completed, arrived at, compiled, provided and drawn with a commercially reasonable degree of care. However, the Contractor cannot warrant that such analyses, interpretations, estimates, consultancy services and inferences shall in all cases be accurate or wholly relevant. The warranty period shall be twelve months from the date of acceptance. This shall not affect the statutory limitation periods for claiming damages. The parties agree that services, goods, etc. shall at all events be deemed accepted unless the Customer notifies the Contractor that such acceptance has been refused, within one week of the date of receipt. In each case the Customer shall be obliged to verify the cogency of the results, interpretations, estimates and inferences provided by the Contractor with a reasonable degree of care and at its own risk, in the event that the Customer wishes to rely on such results, interpretations, estimates and inferences in any material connection. If the results of the analysis cause the Customer to carry out cost-intensive or other far-reaching measures, the Customer must contact the Contractor before the measure is taken in order to give the latter the opportunity to verify or at least discuss the results of the analysis.

Should it be apparent that the results are inaccurate, the Customer shall be obliged to contact the Contractor immediately and to inform it of such fact. In the event that the Customer is a merchant within the meaning of the German Commercial Code [*Handelsgesetzbuch*] and does not comply with this obligation, the performance given by the Contractor shall be deemed compliant with the agreement. Section 377 of the German Commercial Code [*Handelsgesetzbuch*] shall be analogously applied *mutatis mutandis*.

8.2 Each report on an analysis shall relate exclusively to the sample analysed by the Contractor. To the extent that the Contractor is not expressly commissioned to produce a sample schedule (including a determination of which samples of which raw materials and finished products are to be analysed with which frequency), subject to the specification of the precise scope of the analyses to be carried out, the Contractor shall have no liability should it emerge that the sample schedule and/or the specification of the scope of the analysis is insufficient or inappropriate. The same shall apply if and to the extent that the Customer does not follow relevant recommendations made by the Contractor.

8.3 Unless otherwise agreed in writing between the Parties, the Customer and the Contractor shall be the sole parties to the contract. No contract shall be formed for the benefit or the protection of third parties that may give rise to obligations for the Contractor or ES vis-à-vis these third parties if and to the extent that nothing else results from the contract and/or these GTCS.

8.4 The Customer undertakes to indemnify the Contractor and ES and their personnel or other representatives/agents against all third-party claims based on a breach of duty by the Customer unless the Customer cannot be held responsible. This particularly applies to third-party claims asserted due to the fact that a sample is dangerous or unstable.

8.5 If the storage of samples has been agreed in writing, contrary to the provisions of section 5, the Customer must provide advance information regarding any specifics of storage and ensure that the Contractor accepts these as part of the agreement.

8.6 In the event that the Contractor delivers any software to the Customer, the Customer must use such software in accordance with any applicable licence conditions, instructions and manuals.

9. Limitation on liability

9.1 Claims against the Contractor, its parent company, subsidiaries and sister companies and their manual workers, employees, representatives/agents, directors of the company and advisers (referred to hereinafter as "liability-privileged persons") in respect of compensation for damages suffered and costs incurred shall be excluded, unless it is a case of intent, gross negligence or the breach of a material contractual obligation. A material contractual obligation shall be understood as every contractual obligation essential to the proper performance of the contract on whose fulfilment the Customer is entitled to rely.

9.2 Insofar as there is no evidence of intent, the liability of liability-privileged persons shall be limited to compensation for foreseeable damage that is typical for the type of contract. It is generally incumbent on the customer to insure himself sufficiently against other damage.

9.3 The liability of such liability-privileged persons under the German Product Liability Act [*Produkthaftungsgesetz*], in the event of the breach of any warranty and in respect of claims for damages arising from the death, physical injury or damage to the health of a person, shall not be limited by these GTCS.

9.4 It shall be a prerequisite for the acceptance of a purchase order by the Contractor that the Customer shall compensate and indemnify liability-privileged persons in respect of all

losses, infringements, claims and costs which the latter may suffer or incur as a result of the wrongful conduct of the Customer. The placing of a purchase order by the Customer shall constitute the provision of such an indemnity.

10. The carrying out of new analyses

Complaints in relation to test results may only be notified subject to the provisions set out in section 8.1. In each case where the inaccuracy of the first results of the analyses is not established, the Customer shall bear the costs of any new tests it requests or the verification of the foregoing tests.

11. Force majeure

In the case of delays, errors, damage or other problems which are caused by events or circumstances which were unforeseeable by the Contractor or which are beyond its control or which result from compliance with official orders, legislation or regulations the time limits shall be prolonged for the duration of the obstruction. If it is unreasonable for the Customer to accept an associated delay in the execution of the order, the Customer shall be entitled to withdraw from the contract.

12. Confidentiality and the processing of customer data

12.1 The Contractor shall be entitled to store and process any personal or commercial data which it receives in any manner whatsoever from the Customer in accordance with the applicable statutory provisions relating to data protection, irrespective of whether or not such data is provided directly by the Customer or by a third party. The Contractor shall be obliged to use its commercially reasonable endeavours to deal with such data confidentially in accordance with the law.

12.2 For the purposes of the execution of the purchase order, personal data – for example in relation to corporate bodies, contact persons and/or project managers – shall be processed and utilised. The Customer is aware that in order to be in a position to ensure the provision of the best service possible, including the use of existing capacity and know-how, not only personal data but also contract-related data, such as any issues examined in the context of an analysis and the results thereof, may be disclosed to affiliated Group undertakings in Germany, Austria or Switzerland which are the holders of an accreditation pursuant to ISO 17025. The affiliated Group undertakings shall be bound by a corresponding confidentiality agreement, a copy of which shall be provided on request. In addition the Contractor may process and make use of such data for the purposes of winning further contracts. The Customer may prohibit such processing and use by so notifying the Contractor.

12.3 The Contractor shall be obliged to use its commercially reasonable endeavours to keep all results of the analyses and service reports confidential. These obligations shall not apply to the rights of the Contractor pursuant to section 7.2 or to any requirement to adduce proof of an entitlement to receive payment for services rendered.

12.4 The results of any analyses shall be produced and disclosed for the exclusive use of the Customer only and shall not be made available to third parties for any purposes whatsoever without the prior written consent of the Contractor. Furthermore, the Customer shall be obliged to ensure confidentiality in connection with all of the services provided by the Contractor. In addition, any results and the

composition of products and software which are delivered by the Contractor, as well as the results of any analyses, may not be published or used for purposes other than internal purposes without the prior written consent of the Contractor. Furthermore, in the event that such written consent is given, the Customer shall remain (a) liable for any consequences of the disclosure of such results to a third party and any reliance placed by such third party on such results, and (b) hereby undertakes to indemnify the liability-privileged persons (see section 9.1) in respect of any claims brought by a third party as a result of the disclosure of such results and/or any reliance placed thereon and any – actual or alleged – damage resulting therefrom.

13. Governing law / Place of jurisdiction

All contracts to which these GTCS apply shall be governed by German law. The provisions of the United Nations Convention on Contracts for the International Sale of Goods (CISG) shall not apply. The exclusive place of jurisdiction shall be the location of the Contractor, to the extent that the Customer is a merchant, a legal person in accordance with public law or special fund constituted in accordance with public law or has no registered office in Germany. However, the claimant shall alternatively be entitled to commence proceedings before the Arbitral Tribunal of the German Institution of Arbitration (DIS e.V.), instead of before the ordinary courts. In such a case the Arbitral Tribunal shall have exclusive jurisdiction. The place of arbitration shall be Hamburg.

As of January 2013

Ordering and Shipping Information

Ordering

Please preferentially send your purchase order to kits@eurofins.com.

You can also order by phone (+49-761-5038-200) or fax (+49-761-5038-111) or mail.

Please help us to avoid any delay in order processing by clearly indicating delivery and invoice address including contact person(s), phone number and email-address, especially if this is your first order. For European countries, please include your VAT.

If your country has specific documentation or other requirements for shipping and import, please kindly inform us accordingly – we have a lot of experience with shipping to many countries of the world, but there are still some we haven't serviced so far.

Order Confirmation and Delivery Time

Delivery time depends on stock availability and shipping destination and is usually 1 to 10 working days.

An order confirmation stating the estimated shipping date will be provided after receipt of the order. The order confirmation shows our order number, which we kindly ask you to quote if you have any enquiries concerning your order.

Shipping and Tracking

We will share the AWB or tracking number with you when we dispatch your goods so that you can track your delivery.

Freight Charges

Freight charges depend on destination, number/volume of kits and the required amount of dry ice. We ship door-to-door with DHL to most destinations, however, for overseas destinations and some islands, we cooperate with other forwarders, which usually means that we cannot deliver door-to-door and the customer will have to take care of customs procedures. For some remote destinations dry ice shipping may not be possible for different reasons. Feel free to enquire for your destination (kits@eurofins.com).

You are also welcome to share your own forwarder account with us (Fedex, DHL or UPS) if you prefer us to ship on your account, in which case we will ship ex works.

Expiration Date of Kits

We guarantee a minimum shelf life of six months at the time of delivery. The shelf life can be much longer than 6 months, however, if you definitely require a longer shelf life for your order, please kindly enquire about available lots and expiration dates before placing an order.

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