



GENETICALLY MODIFIED ORGANISMS (GMO)

Cultivation of genetically modified (GM) crops has increased significantly around the globe over the years. This increase in production has been combined with a complex and ever evolving global regulatory approval process for GM products, therefore requiring the testing of food and agricultural products for genetically modified content in order to facilitate international trade.

GMO analysis can be performed in the field or in a testing laboratory and determination of the appropriate test method is dependent on the nature of the sample, the required level of sensitivity of the assay, and the intended market for the product.

Eurofins Technologies offers a broad range of GMO testing products that cover both the rapid onsite / field testing as well as comprehensive molecular analysis.

Eurofins GeneScan Real-Time PCR GMO Kits

Eurofins GeneScan is recognised worldwide for its expertise and leading performance in the field of bio-molecular testing for GMOs. Our PCR methods for GMO screening, identification and quantification have been adapted to the volatile and current market situation and are verified daily.

Kits are available both for conventional PCR or real-time PCR, for screening, identification and quantification.

Real-Time PCR Kits

- *GMOScreen*: modular system of intelligent screening and multiplex screening kits
- *GMOIdent*: kits for precise identification or exclusion of single GMO varieties in soy, maize, rice, sugar beet, cotton, linseed or potato
- *GMOQuant*: quantitative methods to identify and to quantitate the GMO content in order to comply with labelling and marketability rules
- Verification kits: offered for *GMOScreen RT 35S/NOS/FMV* and *GMOQuant* kits, with all components required for the EURL recommended verification of the corresponding kit

Key Benefits

- Broadest portfolio of GMO testing kits worldwide
- Excellent overview of the global GMO approval and cultivation situation
- Regular adaptation of the detection kits portfolio to market demands

ELISA Kits and Lateral Flow Devices for GMO Detection

The ELISA test kits provide an accurate and reliable solution to verify the presence or the absence of inserted trait in individual leaf, seed or bulk grain.

Our lateral flow devices enable a rapid on-site GMO detection in cotton, corn, soybean and mustard / canola.

SpeciesScreen RT Kits (Qualitative Real-Time PCR, LR+HR)



Product	Product description	No. of tests	Article No.
SpeciesScreen RT IPC Plant	Kit with 96 RT-PCR rxns for general plant DNA detection with internal positive control. All reagents and controls included.	96 10 x 96	5421229401 5421229410

SpeciesIdent RT Kits (Qualitative Real-Time PCR)

Product	Product description	No. of tests	Article No.
SpeciesIdent RT IPC Corn/ Maize (LR)	Kit with 96 RT-PCR rxns for corn/maize species detection with internal positive control (IPC). All reagents and controls included.	96	5421229901
SpeciesIdent RT IPC Soy (LR)	Kit with 96 RT-PCR rxns for soy species detection with internal positive control (IPC). All reagents and controls included.	96	5421232001
SpeciesIdent RT IPC Cotton (LR)	Kit with 96 RT-PCR rxns for cotton species detection with internal positive control (IPC). All reagents and controls included.	96	5421234001
SpeciesIdent RT IPC Rice (LR/HR)	Kit with 96 RT-PCR rxns for rice species detection with internal positive control (IPC). All reagents and controls included.	96	5421229601
SpeciesIdent RT IPC Rapeseed (LR)	Kit with 96 RT-PCR rxns for rapeseed species detection with internal positive control (IPC).	96	5421229201
SpeciesIdent RT IPC CaMV (LR/HR)	Kit with 96 RT-PCR rxns for Cauliflower Mosaic Virus species detection with internal positive control (IPC). All reagents and controls included.	96	5421229701
SpeciesIdent RT IPC Agrobacterium tumefaciens (LR)	Kit with 96 RT-PCR rxns for Agrobacterium tumefaciens species detection with internal positive control (IPC). All reagents and controls included.	96	5421229801
SpeciesIdent RT IPC Figwort Mosaic Virus (LR)	Kit with 96 RT-PCR rxns for Figwort Mosaic species detection with internal positive control (IPC). All reagents and controls included.	96	5421230001

SpeciesQuant RT Kits (Qualitative Real-Time PCR)

Product	Product description	No. of samples	Article No.
SpeciesQuant Botanical Impurity Soy (NR)	Kit for DNA extraction and real-time PCR quantification (on MX3000P/MX3500P) of soy as bot. impurity in max. 44 samples	44	5421231001
SpeciesQuant Botanical Impurity Soy (LR)	DNA extraction and real-time PCR quantification of soy. Validated on ABI 7500/Fast and CFX96	44	5421233001
1% Reference sample for Botanical Impurity Soy NEW!	2 g of 1% (w/w) soybean in maize flour; suitable for SpeciesQuant Botanical Impurity Soy (LR), Cat # 5421233001		5112702001

GMOQuant Verification Kits

Product	Product description	Article No.
Verification kit for GMOQuant Screen 35S/Soy and RoundupReady Soy	Verification kit for GMOQuant RoundupReady Soy and GMOQuant Screen 35S/Soy kits (two corresponding GMOQuant kits needed additionally)	5121299901
Verification kit for GMOQuant NK603 Corn and GMOQuant Screen 35S/Corn kits	Verification kit for GMOQuant NK603 Corn and GMOQuant Screen 35S/Corn kits (two corresponding GMOQuant kits needed additionally)	5121299902
Verification kit for GMOQuant MON863 Corn kits	Verification kit for GMOQuant MON863 Corn kits (two corresponding GMOQuant kits needed additionally)	5121299903
Verification kit for GMOQuant MON810 Corn kits	Verification kit for GMOQuant MON810 Corn kits (two corresponding GMOQuant kits needed additionally)	5121299904
Verification kit for GMOQuant GA21 Corn kits	Verification kit for GMOQuant GA21 Corn kits (two corresponding GMOQuant kits needed additionally)	5121299905

GMOScreen Kits for Real-Time PCR (Qualitative Real-Time PCR)



Product	Product description	No. of tests	Article No.
GMOScreen RT 35S/NOS/ABI IPC (LR) for ABI 7500 (Fast)	96 RT-PCR reactions, up to 46 samples per plate. Multiplex screening of p35s, tNOS, AgroBorder II with internal positive control.	96 10 x 96	5421227101 5421227111
GMOScreen RT 35S/NOS/ABI IPC (NR) for MX3005P, AriaMX and CFX96	96 RT-PCR reactions, up to 46 samples per plate. Multiplex screening of p35s, tNOS, AgroBorder II with internal positive control.	96 10 x 96	5421227102 5421227112
GMOScreen RT IPC (LR) 35S/NOS/FMV for ABI 7500 (Fast)	96 RT-PCR reactions, up to 44 samples per plate. Multiplex screening of pFMV, p35s and tNOS in a single tube with internal positive control (IPC).	96 10 x 96	5421220301 5421220311
GMOScreen RT IPC (NR) 35S/NOS/FMV for MX3005P/MX3000P, AriaMX, CFX96 and LC480	96 RT-PCR reactions, up to 44 samples per plate. Multiplex screening of pFMV, p35s and tNOS with internal positive control.	96 10 x 96	5421220302 5421220312
GMOScreen RT IPC (LR) CaMV 35s Terminator	96 RT-PCR reactions. Detection of CaMV 35S terminator sequences with internal positive control (IPC).	96	5421227105
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.	96	5421226701
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.	96	5421226702
GMOScreen RT IPC (LR) 35S/NOS	96 RT-PCR reactions, up to 44 samples per plate. Duplex PCR with internal positive control. Validated for ABI7500/Fast, MX3005P/MX3000P and LC480.	96	5421220001
GMOScreen RT 35S/IPC and NOS/IPC (LR/HR+)	2 x 96 RT-PCR reactions, for up to 46 samples. For use on low-ROX and high-ROX cyclers with FAM and VIC filters.	2 x 96	5421220002
GMOScreen RT (LR/HR+) 35S/IPC and NOS/IPC and FMV/IPC	3 x 96 RT-PCR reactions, for up to 46 samples. For use on low-ROX and high-ROX cyclers with FAM and VIC filters.	3 x 96	5421220303
GMOScreen RT 35S/NOS IPC S (LR)	48 multiplex rxns p35S, tNOS and IPC for ABI 7500, MX3005, LC480	48	5421220048
GMOScreen RT FMV/IPC (LR/HR+)	96 RT-PCR reactions, for up to 46 samples. For low- and high-ROX cyclers with FAM/VIC filters.	96	5421220501
GMOScreen RT IPC (LR) AgroBorder I/II	96 RT-PCR reactions, for up to 44 samples.	96	5421226201
GMOScreen RT IPC (LR) bar/pat	96 RT-PCR reactions, for up to 44 samples.	96	5421225001
GMOScreen RT IPC (LR) SAMS-ALS	96 RT-PCR reactions, for up to 44 samples.	96	5421226501
GMOScreen RT IPC (LR) CV127/SAMS-ALS	96 RT-PCR reactions, for up to 44 samples.	96	5421225601
GMOScreen RT IPC (LR) Event GA21/PMI-NOS	96 multiplex-RT-PCR rxns, for MX3005P, AriaMX, ABI7500 and CFX96 Touch	96	5421227103
GMOScreen RT IPC (LR) CsVMV	96 multiplex-RT-PCR rxns, for up to 44 samples. Screening for i.e. DAS-68416-4, DAS-44406-6, DAS-81419-2 soy. Validated for ABI7500/Fast, MX3005P/MX3000P, AriaMX, CFX96 and LC480.	96	5421226401
GMOScreen RT IPC (LR/HR+) NOS-NPT	96 multiplex-RT-PCR rxns, for up to 44 samples. Validated for ABI7500/Fast, MX3005P/ MX3000P and ABI7900.	96	5421226801
GMOScreen RT IPC (LR/HR+) 35S-NPT	96 multiplex-RT-PCR rxns, for up to 44 samples. Validated for ABI7500/Fast, MX3005P/ MX3000P and ABI7900.	96	5421226901
GMOScreen RT IPC (NR) PVGT/NOS/NPTII/PAT	96 multiplex RT-PCR rxns, Multiplex screening of PVGT, tNOS, nptII and pat (syn) incl. IPC for MX3005/MX3000P.	96	5421220401
GMOScreen RT (UMM) Cry1Ab/Ac	96 RT-PCR reactions, up to 44 samples per plate.	96	5421225201

GMOQuant & GMOIdent RT Kits (Quantitative PCR, LR+HR) Corn



GMO	GMOQuant LR Product name / Art. No.	GMOQuant HR Product name / Art. No.	GMOIdent RT Kits Product name / Art.No
35S Screen Corn 1	GMOQuant (LR) 35S Screen Corn 1	GMOQuant (HR) 35S Screen Corn 1	
Article No.	5125203501	5125200601	
VCO-01981-5 / DAS-40278-9 / Ly038 Corn			GMOIdent RT IPC VCO-01981-5 / DAS-40278-9 / Ly038 Corn IPC (NR)
Article No.			5421230502
VCO-01981-5 / DAS-40278-9 / Ly038 Corn			GMOIdent RT IPC VCO-01981-5 / DAS-40278-9 / Ly038 Corn IPC (LR)
Article No.			5421230501
MIR162/MIR604 Corn	GMOQuant Duplex (LR) MIR162/MIR604 Corn		
Article No.	5125222201		
35S/GA21 Corn	GMOQuant Duplex (LR) 35S/GA21 Corn		
Article No.	5125222801		
Roundup Ready 2™ Event NK603	GMOQuant (LR) Event NK603 Corn	GMOQuant (HR) Event NK603 Corn	GMOIdent RT IPC Event NK603 Corn
Article No.	5125204401	5125204301	5421221001
Roundup Ready™ Event GA21	GMOQuant (LR) Event GA21 Corn	GMOQuant (HR) Event GA21 Corn	GMOIdent RT IPC Event GA21 Corn
Article No.	5125204601	5125204501	5421222501
Agrisure RW™ Event MIR604	GMOQuant (LR) Event MIR604 Corn	GMOQuant (HR) Event MIR604 Corn	GMOIdent RT IPC Event MIR604 Corn 3
Article No.	5125206401	5125205501	5421221101
Agrisure™ CB/LL Event Bt11	GMOQuant (LR) Event Bt11 Corn	GMOQuant (HR) Event Bt11 Corn	GMOIdent RT Event Bt11 Corn
Article No.	5125206501	5125209901	5421223201
YieldGard VT RW™ Event MON88017	GMOQuant (LR) Event MON88017 Corn	GMOQuant (HR) Event MON88017 Corn	GMOIdent RT IPC Event MON88017 Corn
Article No.	5125207301	5125207401	5421221801
YieldGard VT Pro™ Event MON89034	GMOQuant (LR) Event MON89034 Corn	GMOQuant (HR) Event MON89034 Corn	GMOIdent RT IPC Event MON89034 Corn
Article No.	5125206701	5125206901	5421221601
YieldGard™, MaizeGard™ Event MON810	GMOQuant (LR) Event MON810 Corn	GMOQuant (HR) Event MON810 Corn	GMOIdent RT IPC Event MON810 Corn
Article No.	5125207801	5125201501	5421221301
Agrisure Viptera™ Event MIR162	GMOQuant (LR) Event MIR162 Corn	GMOQuant (HR) Event MIR162 Corn	GMOIdent RT Event MIR162 Corn
Article No.	5125209701	5125221501	5421224801
KnockOut™, NatureGard™ Event Bt176	GMOQuant (LR) Event Bt176 Corn	GMOQuant (HR) Event Bt176 Corn	GMOIdent RT Bt176 Corn
Article No.	5125209401	5125209801	5421240301
LibertyLink™	GMOQuant (LR) LibertyLink™ Corn	GMOQuant (HR) LibertyLink™ Corn	
Article No.	5125207701	5125201601	
Herculex I™ Event TC1507	GMOQuant (LR) Event TC1507 Corn	GMOQuant (HR) Event TC1507 Corn	GMOIdent RT IPC Event TC1507 Corn
Article No.	5125209301	5125202301	5421222401
Herculex RW™ Event DAS-59122-7	GMOQuant (LR) Event DAS-59122-7 Corn	GMOQuant (HR) Event DAS-59122-7 Corn	GMOIdent RT IPC Event DAS-59122-7 Corn
Article No.	5125208201	5125202901	5421221201
YieldGard Rootworm™, MaxGard™ Event MON863	GMOQuant (LR) Event MON863 Corn	GMOQuant (HR) Event MON863 Corn	GMOIdent RT IPC Event MON863 Corn
Article No.	5125208001	5125208101	5421221701
Enogen™ Event 3272	GMOQuant (LR) Event 3272 Corn	GMOQuant (HR) Event 3272 Corn	GMOIdent RT IPC Event 3272 Corn
Article No.	5125207601	5125221301	5421224901

GMO	GMOQuant LR Product name / Art. No.	GMOQuant HR Product name / Art. No.	GMOIdent RT Kits Product name / Art.No
LibertyLink™ Event T25			GMOIdent RT IPC Event T25 Corn
Article No.			5421230901
Mavera™			GMOIdent RT IPC Ly038 Corn
Article No.			5421225201
DroughtGard™ Event MON87460	GMOQuant RT IPC (LR) Event MON87460 Corn		GMOIdent RT IPC Event MON87460 Corn
Article No.	5125222501		5421225801
Enlist™ Event DAS-40278-9	GMOQuant RT IPC (LR) Event DAS-40278-9 Corn		GMOIdent RT IPC Event DAS-40278-9 Corn
Article No.	5125222701		5421226001
Agrisure Duracade™ Event 5307 Corn	GMOQuant (LR) Event 5307 Corn		GMOIdent RT IPC (LR/HR) Event 5307 Corn
Article No.	5125222401		5421230801
StarLink™	GMOQuant (LR) StarLink™ Corn	GMOQuant (LR) StarLink™ Corn	
Article No.	5125209601	5125201801	
Event VCO-01981-5			GMOIdent RT IPC Event VCO-01981-5 Corn (LR)
Article No.			5421230201
Roundup Ready™ Event MON87427	GMOQuant (LR) Event MON87427 Corn		GMOIdent RT IPC Event MON87427 Corn
Article No.	5421230301		5421230301
LibertyLink™ Event T14			GMOIdent RT IPC Event T14Corn
Article No.			5421230401

Cotton

Event	GMOQuant LR Product name /Art. No.	GMOQuant HR Product name / Art. No.	GMOIdent RT Kits Product name / Art.No
WideStrike™ Event 3006-210-23	GMOQuant (LR) 3006-210-23 Cotton	GMOQuant (HR) 3006-210-23 Cotton	GMOIdent RT Event 3006-210-23 Cotton
Article No.	5125220901	5125221001	5421224101
WideStrike™ Event 281-24-236	GMOQuant (LR) 281-24-236 Cotton	GMOQuant (HR) 281-24-236 Cotton	GMOIdent RT IPC Event 281-24-236 Cotton
Article No.	5125221101	5125221201	5421224501
Roundup Ready Flex™ Event MON1445			GMOIdent RT Event MON1445 Cotton
Article No.			5421222901
Bollgard II™ Event MON88913			GMOIdent RT Event MON88913 Cotton
Article No.			5421223401
Bollgard™ Event MON531			GMOIdent RT Event MON531 Cotton
Article No.			5421223901
Bollgard II™ Event MON15985			GMOIdent RT Event MON15985 Cotton
Article No.			5421224001
GlyTol™ Event GHB614			GMOIdent RT Event GHB614 Cotton
Article No.			5421224001
VipCot™ COT102			GMOIdent RT IPC (LR/HR+) VIP3Aa Cotton
Article No.			5421226301
LibertyLink™ LLCotton25			GMOIdent RT Event LLCotton25 Cotton
Article No.			5421224101



GMO	GMOQuant LR Product name / Art. No.	GMOQuant HR Product name / Art. No.	GMOIdent RT Kits Product name / Art.No
35S Screen Soy	GMOQuant (LR) 35S Screen Soy	GMOQuant (HR) 35S Screen Soy	
Article No.	5125207201	5125203101	
AgroBorder II Screen Soy	GMOQuant (LR) AgroBorder II Screen Soy	GMOQuant (HR) AgroBorder II Screen Soy	
Article No.	5125222001	5125222101	
35S/AgroBorder II Soy	GMOQuant Duplex (LR) 35S/AgroBorder II Soy		
Article No.	5125222301		
35S/MON89788 Soy	GMOQuant Duplex (LR) 35S/MON89788 Soy		
Article No.	5125210001		
CsVMV / CV127 / DP-356043-5		GMOScreen RT IPC CsVMV / CV127 / DP-356043-5 (NR)	
Article No.		5421227104	
LibertyLink™ Event A2704-12	GMOQuant (LR) Event A2704-12 Soy	GMOQuant (HR) Event A2704-12 Soy	GMOIdent RT IPC Event A2704-12 Soy (LR)
Article No.	5125206801	5125206301	5421226101
Genuity Roundup Ready 2 Yield™ Event MON89788	GMOQuant (LR) Event MON89788 Soy	GMOQuant (HR) Event MON89788 Soy	GMOIdent RT IPC Event MON89788 Soy
Article No.	5125207001	5125207101	5421241101
Optimum™ GAT™ Event DP-356043-5	GMOQuant (UMM*) Event DP-356043-5 Soy		GMOIdent RT (UMM) Event DP-356043-5 Soy
Article No.	5125220201		5421225801
Event MON87701	GMOQuant (UMM*) Event MON87701 Soy		GMOIdent RT Event MON87701Soy
Article No.	5125220301		5421225301
LibertyLink™ Event A5547-127	GMOQuant (UMM*) Event A5547-127 Soy		GMOIdent RT Event A5547-127 Soy
Article No.	5125220601		5421223701
Cultivance™ Event CV127	GMOQuant (UMM*) Event CV127 Soy		GMOIdent RT IPC (LR) Event CV127 Soy
Article No.	5125220701		5421240501
RoundupReady™ Event GTS 40-3-2	GMOQuant (LR) RoundupReady™ Soy	GMOQuant (HR) RoundupReady™ Soy	GMOIdent RT IPC (LR) RoundupReady™ Soy
Article No.	5125203401	5125200401	5421240201
Plenish™ Event DP-305423-1	GMOQuant (UMM*) Event DP-305423-1 Soy		GMOIdent RT IPC (LR) Event DP-305423-1 Soy
Article No.	5125207501		5421240601
Vistive Gold™ Event MON87705	GMOQuant (UMM*) Event MON87705 Soy		GMOIdent RT Event MON87705Soy
Article No.	5125221601		5421225701
Balance™ GT Event FG72 Soy	GMOQuant (LR) NEW! Event FG72 Soy		GMOIdent RT IPC (LR)Event FG72 Soy
Article No.	5125223401		5421240701
Enlist™ Event DAS-68416-4			GMOIdent RT IPC (LR) Event DAS-68416-4 Soy
Article No.			5421226401
Soymega™ Event MON87769	GMOQuant (LR) Event MON87769 Soy		GMOIdent RT IPC (LR) Event MON87769 Soy
Article No.	5125222601		5421230701
Event DAS-44406-6 / DAS-81419-2 / DAS-68416-4 Soy			GMOIdent RT IPC (NR) NEW! Event DAS-44406-6 / DAS-81419-2 / DAS-68416-4 Soy
Article No.			5421240801
Event MON87708/ MON87701/ MON87705 Soy			GMOIdent RT IPC (NR) NEW! MON87708/ MON87701/ MON87705 Soy
Article No.			5421240901

Event SYHT0H2 Soy		GMOIdent RT IPC (LR) NEW! Event SYHT0H2 Soy
Article No.		5421241401
Event MON87708 Soy	GMOQuant (LR) NEW! Event MON87708 Soy	GMOIdent RT IPC (LR) NEW! Event MON87708 Soy
Article No.	5125223301	5421240401
Event MON87751 Soy	GMOQuant (LR) NEW! Event DAS-68416-4 Soy	GMOIdent RT IPC NEW! Event MON87751 Soy
Article No.	5125223201	5421241801
Event DAS-68416-4 Soy		GMOIdent RT IPC (LR) NEW! Event DAS-68416-4 Soy
Article No.		5421240101

Rapeseed

Event	GMOQuant LR Product name /Art. No.	GMOQuant HR Product name / Art. No.	GMOIdent RT Kits Product name / Art.No
Roundup Ready™ Event RT73	GMOQuant (UMM*) Event RT73 Rapeseed		GMOIdent RT Event RT73 Rapeseed
Article No.	5125208901		5421224401
SeedLink™ Event MS8	GMOQuant (UMM*) Event MS8 Rapeseed		GMOIdent RT Event MS8 Rapeseed
Article No.	5125209001		5421224201
SeedLink™ Event Rf3	GMOQuant (UMM*) Event Rf3 Rapeseed		GMOIdent RT Event Rf3 Rapeseed
Article No.	5125209101		5421224301
LibertyLink™ Event T45	GMOQuant (UMM*) Event T45 Rapeseed		GMOIdent RT IPC Event T45 Canola
Article No.	5125208401		5421223501

Sugarbeet

Event	GMOQuant LR Product name /Art. No.	GMOQuant HR Product name / Art. No.	GMOIdent RT Kits Product name / Art.No
Roundup Ready™ Event H7-1			GMOIdent RT (IPC) Event H7-1 Sugarbeet
Article No.			5421222801

Rice

Event	GMOQuant LR Product name /Art. No.	GMOQuant HR Product name / Art. No.	GMOIdent RT Kits Product name / Art.No
LibertyLink™ Event LLRice62	GMOQuant (UMM*) Event LL62 Rice		GMOIdent RT Event LL62 Rice
Article No.	5125209201		5421222001
Event LLRice601			GMOIdent RT Event LL601 Rice
Article No.			5421222101
LibertyLink™ Event LL601, Event LLRice62 and other			GMOIdent RT LibertyLink™ Rice
Article No.			5221103801
LibertyLink™ Event LL601, Event LLRice62 and other			GMOIdent RT S LibertyLink™ Rice (with species control)
Article No.			5221103805
Event Bt63 and other			GMOIdent RT Bt Rice
Article No.			5421221401
Bt Rice & Rice Species Event Bt63 and other			GMOIdent RT Bt Rice (with species control)
Article No.			5421221409

Flax

Event	GMOQuant LR Product name /Art. No.	GMOQuant HR Product name / Art. No.	GMOIdent RT Kits Product name / Art.No
CDC Triffid™			GMOIdent RT (IPC) FP967 Flax
Article No.			5421222601

Potato

Event	GMOQuant LR Product name /Art. No.	GMOQuant HR Product name / Art. No.	GMOIdent RT Kits Product name / Art.No
Amflora™ Event EH92-527-1		GMOQuant (HR) Event EH92-527-1 Potato	GMOIdent RT Event EH92-527-1 Potato
Article No.		5125207901	5421223601

Salmon

Event	GMOQuant LR Product name /Art. No.	GMOQuant HR Product name / Art. No.	GMOIdent RT Kits Product name / Art.No
AquAdvantage™			GMOIdent RT IPC Accelerated Growth Salmon
Article No.			5421230601

Control DNA GMOs



Product	Quantity	Article No.
Genomic DNA 3272 corn, 10% GMO, made from ERM BF420c (SYN-E3272-5)	100 x 0,15 ml	5211508101
Genomic DNA Bt11 corn, 5% GMO, made from ERM BF412f (SYN-BT011-1)	100 x 0,15 ml	5211501001
Genomic DNA Bt176 corn, 5% GMO, made from ERM BF411f (SYN-EV176-9)	100 x 0,15 ml	5211500701
Genomic DNA CBH351 corn (ACS-ZM004-3)	100 x 0,15 ml	5211501301
Genomic DNA GA21 corn, 5% GMO, made from ERM BF414f (MON-00021-9)	100 x 0,15 ml	5211501201
Genomic DNA Herculex™ I TC 1507 corn, 10% GMO, from ERM BF418d (DAS-01507-1)	100 x 0,15 ml	5211507101
Genomic DNA Herculex™ RW DAS-591227 corn, 10% GMO, made from ERM BF424b (DAS-59122-7)	100 x 0,15 ml	5211507201
Genomic DNA MIR162 corn (SYN-IR162-4)	100 x 0,15 ml	5211516301
Genomic DNA MIR604 corn DNA, 10% GMO, made from ERM BF-423d (SYN-IR604-5)	100 x 0,15 ml	5211506401
Genomic DNA MON810 corn, 5% GMO, made from ERM BF413f (MON-00810-6)	100 x 0,15 ml	5211500901
Genomic DNA MON863 corn, 10% GMO, made from ERM BF416d (MON-00863-5)	100 x 0,15 ml	5211502301
Genomic DNA MON87460 corn (MON-87460-4)	100 x 0,15 ml	5211516401
Genomic DNA MON88017 corn (MON-88017-3)	100 x 0,15 ml	5211512001
Genomic DNA MON89034 corn (MON-89034-3)	100 x 0,15 ml	5211512101
Genomic DNA NK603 corn, 5% GMO, made from ERM BF415f (MON-00603-6)	100 x 0,15 ml	5211508201
Genomic DNA T25 corn 3(ACS-ZM003-2)	100 x 0,15 ml	5211500801
Genomic DNA DAS-40278-9 (DAS-40278-9) corn 10% GMO, made from ERM BF433d	100 x 0,15 ml	5211521201
Genomic DNA LLCotton25 (ACS-GH001-3)	100 x 0,15 ml	5211512401
Genomic DNA MON1445 cotton (MON-01445-2)	100 x 0,15 ml	5211511301
Genomic DNA MON15985 cotton (MON-15985-7)	100 x 0,15 ml	5211512201
Genomic DNA MON531 cotton (MON-00531-6)	100 x 0,15 ml	5211512301
Genomic DNA MON88913-8 cotton (MON-88913-8)	100 x 0,15 ml	5211511401
Genomic DNA 281-24-236 x 3006-210-23 (Widestrike) cotton, 10% GMO, made from ERM BF422d	100 x 0,15 ml	5211512701
Plasmid DNA pGSE625 (FP967 flax; EURL method) (CDC-FL001-2)	100 x 0,15 ml	5211509901
Plasmid DNA pGSE644 (Sunup™ papaya) (e.g. for LMBG \$64 PCR and RT-PCR methods)	100 x 0,15 ml	5211515401
Genomic DNA Sunup papaya (event 55-1)	100 x 0,15 ml	5211514801
Plasmid DNA pGSE28 (Bt63 rice, for use with EURL method QL-CON-00-007)	100 x 0,15 ml	5211505001
Plasmid DNA pGSE219 (LL62 rice, ACS-OS002-5), for use with EURL method QT-EVE-OS-002	100 x 0,15 ml	5211508501
Plasmid DNA pGSE220 (LL601 rice, for use with EURL method QL-EVE-OS-001)	100 x 0,15 ml	5211505401
Genomic DNA MS8 rapeseed (ACS-BN005-8)	100 x 0,15 ml	5211507901
Genomic DNA Rf3 rapeseed (ACS-BN003-6)	100 x 0,15 ml	5211512601
Genomic DNA RT73 rapeseed (MON-00073-7)	100 x 0,15 ml	5211501701
Genomic DNA T45 rapeseed (ACS-BN008-2)	100 x 0,15 ml	5211512501
Genomic DNA DAS-68416-4 soy 10% GMO, made from ERM BF432d	100 x 0,15 ml	5211521001
Genomic DNA DAS-44406-6 soy 10% GMO, made from ERM BF436e	100 x 0,15 ml	5211521101
Genomic DNA DAS-81419 Soy	100 x 0,15 ml	5211524701
Genomic DNA A2704-12 soy (ACS-GM005-3)	100 x 0,15 ml	5211511801
Genomic DNA A5547-127 soy (ACS-GM006-4)	100 x 0,15 ml	5211512801

Control DNA GMOs

Product	Quantity	Article No.
Genomic DNA CV127 soy (BPS-CV127-9)	100 x 0,15 ml	5211515201
Genomic DNA DP305423-1 soy (DP-305423-1) 10% GMO, made from CRM BF426d	100 x 0,15 ml	5211515101
Genomic DNA DP356043-5 soy (DP-356043-5) 10% GMO, made from CRM BF425d	100 x 0,15 ml	5211515301
Genomic DNA MON87701 soy (MON-87701-2)	100 x 0,15 ml	5211514501
Genomic DNA MON89788 soy (MON-89788-1)	100 x 0,15 ml	5211511901
Genomic DNA Roundup Ready™ soy 10% GMO, made from ERM BF410gk (GTS-40-3-2, MON-04032-6) 1	100 x 0,15 ml	5211500601
Genomic DNA H7-1 sugarbeet (KM-00071-4) 100% GMO, made from ERM BF419b	100 x 0,15 ml	5211507001
Genomic DNA A2704-12 soy (ACS-GM005-3)	10000 x 0,15 ml	5211521301
Genomic DNA A5547-127 soy (ACS-GM006-4)	10000 x 0,15 ml	5211521401
Genomic DNA CV127 soy (BPS-CV127-9)	10000 x 0,15 ml	5211521501
Genomic DNA MON87701 soy (MON-87701-2)	10000 x 0,15 ml	5211521601
Genomic DNA MON89788 soy (MON-89788-1)	10000 x 0,15 ml	5211521701
Genomic DNA Roundup Ready™ Soy 10% GMO, made from ERM BF410gk (GTS-40-3-2, MON-04032-6)	10000 x 0,15 ml	5211521801
Genomic DNA DP305423-1 soy (DP-305423-1), 10% GMO, made from CRM BF426d	10000 x 0,15 ml	5211522001
Genomic DNA DP356043-5 soy (DP-356043-5), 10% GMO, made from CRM BF425d	10000 x 0,15 ml	5211522101
Genomic DNA MON810 maize (MON-00810-6) 5% GMO, made from ERM BF413f	20 µL 10 x 20 µL	5211513902 5211513920
Genomic DNA T25 maize (ACS-ZM003-2)	20 µL 10 x 20 µL	5211514002 5211514020
Genomic DNA RT73 rapeseed (MON-00073-7)	20 µL 10 x 20 µL	5211513602 5211513620
Genomic DNA MS8 rapeseed (ACS-BN005-8)	20 µL 10 x 20 µL	5211513702 5211513720
Genomic DNA Rf3 rapeseed (ACS-BN003-6)	20 µL 10 x 20 µL	5211513802 5211513820
Genomic DNA LL62 rice (ACS-OS002-5)	20 µL 10 x 20 µL	5211514102 5211514120
Genomic DNA MON4032-6 soy (MON-04032-6) 10% GMO, made from ERM BF410gk	20 µL 10 x 20 µL	5211514202 5211514220

Control DNA's Plant Species

Product	Quantity	Article No.
Genomic DNA Almond (<i>Prunus dulcis</i>)	100 x 0,15 ml	5211516101
Genomic DNA Brazil Nut (<i>Bertholletia excelsa</i>)	100 x 0,15 ml	5211516001
Genomic DNA Corn/Maize (<i>Zea mays</i>)	100 x 0,15 ml	5211515601
Genomic DNA Cotton (<i>Gossypium</i>)	100 x 0,15 ml	5211501801
Genomic DNA Lupine (<i>Lupinus albus</i>)	100 x 0,15 ml	5211515901
Genomic DNA Rapeseed/Canola (<i>Brassica napus</i>)	100 x 0,15 ml	5211515701
Genomic DNA Rice (<i>Oryza sativa</i>)	100 x 0,15 ml	5211514601
Genomic DNA Sesame (<i>Sesamum indicum</i>)	100 x 0,15 ml	5211515801
Genomic DNA Soy (<i>Glycine max</i>)	100 x 0,15 ml	5211515501
Genomic DNA Alfalfa (<i>Medicago sativa</i>)	100 x 0,15 ml	5211520403
Genomic DNA Squash (<i>Cucurbita</i>)	100 x 0,15 ml	5211520303
Genomic DNA Papaya (<i>Carica papaya</i>)	100 x 0,15 ml	5211520203
Genomic DNA Soy (<i>Glycine max</i>)	100 x 0,15 ml	5211521901

Verification and Accessory Kits for Real-Time PCR

Product	Product description	Article No.
Verification Kit for GMOScreen RT (35S/NOS/ FMV)	Verification kit for GMOScreen RT kits (35S/NOS and 35S/NOS/FMV (IPC)); LOD verification, DNAs, instruction and evaluation table included. One GMOScreen RT IPC 35S/NOS/FMV kit needed additionally.	5421299901
Eurofins Color Compensation Kit FAM, HEX	Eurofins Color Compensation Kit for kits with FAM, HEX labelling (i.e. for GMOScreen RT IPC FMV/IPC)	5427200200
Eurofins Color Compensation Kit FAM, R6G	Eurofins Color Compensation Kit for kits with FAM, R6G labelling (i.e. for GMOScreen RT IPC CsVMV)	5427200201
Eurofins Color Compensation Kit FAM, HEX, Cy5	Eurofins Color Compensation Kit for kits with FAM, HEX, Cy5 labelling	5427200300
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)	5427200301
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)	5427200302
Eurofins Color Compensation Kit FAM, HEX, Cal610, Cy5	Eurofins Color Compensation Kit for kits with FAM, HEX, Cal610, Cy5 labelling (i.e. for GMOScreen RT IPC 35S/NOS/FMV)	5427200400
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)	5427200401



ELISA Kits (GMO)



Product name	Product description	Quantity	Article No.
Cry1Ac/Ab ELISA kit	Corn/ cotton individual leaf, Seed	1, 10, 50 or 100	AID 007
Cry2A ELISA kit	Corn/cotton individual leaf, Seed	1, 10, 50 or 100	AID 008
CP4EPSPS (RR) ELISA kit	Cotton/Corn/Soybean individual leaf, seed	1, 10, 50 or 100	AID 011
Cry1Ac/Cry2A combined ELISA kit	Cotton individual seed, leaf	50 or 100	AID 017
PAT/bar ELISA kit	Cotton/Corn/Canola/Mustard individual leaf, seed	1, 10, 50 or 100	AID 018
Vip3A ELISA kit	Cotton individual leaf, seed	1, 10, 50 or 100	AID 023
PAT/pat ELISA kit	Cotton/Corn leaf, seed	1, 10, 50 or 100	AID 027
Cry1F ELISA kit	Corn/Cotton individual leaf, seed	1, 10, 50 or 100	AID 004
HPPD ELISA kit	Soybean/Cotton individual seed,	1 or 10	AID 021
eCry3.1Ab ELISA kit	Corn leaf, seed, bulk grain	10, 50 plates	AID 051
Modified Cry3A ELISA kit	Corn leaf, seed, bulk grain	10, 50 plates	AID 052
Cry3Bb ELISA kit	Corn leaf, seed, bulk grain	10, 50 plates	AID 053
Vip ELISA kit	Corn leaf, seed, bulk grain	10, 50 plates	AID 059

Lateral Flow Devices (GMO)



Product name	Product description	Quantity	Article No.
Cry1Ac LFS kit	Individual Cotton leaf, seed	100 strips	AID 032
Cry1F LFS kit	Individual Corn/Cotton leaf, seed	100 strips	AID 033
Cry2A LFS kit	Individual Corn/Cotton leaf, seed	100 strips	AID 026
Vip3A LFS kit	Individual Corn/Cotton leaf, seed	100 strips	AID 031
Cry1Ab LFS kit	Individual Corn leaf, seed	100 strips	AID 041
CP4EPSPS (RR) LFS kit	Individual Corn/Soybean leaf, seed	100 strips	AID 025
HPPD LFS kit	Individual Soybean, Cotton leaf, seed	100 strips	AID 024
PAT/Pat LFS kit	Individual Corn leaf, seed	100 strips	AID 029
Cry1Ac/Cry2A	Individual Cotton seed only	100 strips	AID 037
Cry1Ac/Cry2A	Individual Cotton seed, leaf	100 strips	AID 038
Cry1Ab/CP4EPSPS (RR)	Individual Corn leaf , seed	100 strips	AID 036
Cry1Ac/Cry2A/CP4EPSPS(RR)	Individual Cotton seed	100 strips	AID 034
Cry1Ac/Cry2A/CP4EPSPS(RR)	Individual Cotton seed/leaf	100 strips	AID 035
CP4EPSPS (RR) LFS kit	Individual Cotton leaf, seed	100 strips	AID 039
PAT/bar LFS kit	Individual mustard or canola leaf/seed	100 strips	AID 049
Modified Cry3A LFS kit	Individual Corn leaf and seed	100 strips	AID 057
Cry3Bb LFS kit	Individual Corn leaf and seed	100 strips	AID 054

Lateral Flow Devices (GMO - AP Testing)



Product name	Product description	Quantity	Article No.
CP4EPSPS (RR) LFS kit	Bulk soy bean grain (0.1%)	100 strips	AID 040
CP4EPSPS (RR) LFS kit	Bulk corn grain (0.1%)	100 strips	AID 042
CP4EPSPS (RR) LFS kit	Bulk cotton seeds (0.1%)	100 strips	AID 043
Cry1Ac LFS kit	Bulk cotton seeds (0.25%)	100 strips	AID 044
Cry1Ab LFS kit	Bulk corn grain (0.8%)	100 strips	AID 045
Cry2A LFS kit	Bulk cotton seeds (0.25%)	100 strips	AID 046
Cry2A LFS kit	Bulk corn grain (1%)	100 strips	AID 047
Vip3A LFS kit	Bulk corn grain (0.25%)	100 strips	AID 048
Cry1F LFS kit	Bulk corn grain (0.5 %)	100 strips	AID 050
eCry3A and Cry3Bb combined LFS kit	Corn bulk grain (0.5 %)	100 strips	AID 058
Cry3Bb LFS kit	Corn bulk grain (0.2%)	100 strips	AID 060

Additional GMO ELISA Kits and Proteins



Product	Product Format	Quantity	Article No.
Bt Cr1Ab/Cry1Ac	ELISA Plate	96 tests	510001
Bt Cry1F	ELISA Plate	96 tests	510006
CP4 EPSPS	ELISA Plate	96 tests	510101
Cry1Ab	Protein	10 ug	300003
Cry1Ac	Protein	10 ug	250020
Cry1F	Protein	10 ug	250030
Cry2A	Protein	10 ug	250040
Cry3B	Protein	10 ug	250050
Cry9C	Protein	10 ug	250060

DNA AND RNA EXTRACTION



Food, feed and seed laboratories are often faced with a number of challenges during the extraction of DNA. The high variability of samples types as well as inhibitory substance and low DNA yield can have detrimental impacts on the subsequent analytical methods, such as PCR testing. High-quality DNA is the prerequisite for the success of these methods, therefore it is crucial to select the right DNA extraction method optimised for your sample type. Our kit portfolio offers DNA extraction methods for a wide range of sample types.

DNA Extraction and Electrophoresis



Product	Product description	Quantity	Article No.
GENESpin	DNA extraction kit for 50 food or feed samples	50 samples	5224400605
		10 x 50 samples	5224400610
		30 x 50 samples	5224400630
		50 x 50 samples	5224400650
Additional lysis buffer for GENESpin	1000 ml buffer CF	1000 ml	5224701901
Additional GENESpin Binding Buffer	250 ml GENESpin Binding Buffer	250 ml	5224400704
DNA Cleaning Columns	100 DNA cleaning columns	100 columns	5224700310
		5 x 100 columns	5224700315
		10 x 100 columns	5224700311
DNAExtractor	DNA extraction kit for 50 seed, grain, food or feed samples (solvents not included)	50 samples	5224700610
Additional lysis buffer for DNAExtractor 3		500 ml	5224700205
DNAExtractor Fat for lecithin, oil and fat	DNA extraction kit for 50 oil, fat or lecithin samples, solvents not incl.	50 samples	5224700710
DNAExtractor Gelatin	DNA extraction kit for 50 gelatin samples. (solvents not included)	50 samples	5224701001
Buffer EFG for emulsifier, fat and gelatin		2 x 50 ml	5224700110
DNAExtractor Honey (Qiagen/Retsch Tissue Lyser® needed)	DNA extraction kit for 50 honey/pollen samples	50 samples	5224700910
DNA Length Standard pUC18 HAIII size marker 26 – 501 bp	Clean-up commodity extracts of food and feed samples containing aflatoxins, ochratoxins and zearalenon	500 µL, 0.05 µg/µL	5217720401
RNase		5 mg/ml, 0.5 ml	5216700201
RNase		50 mg/ml, 1 ml	5216700205
Proteinase K, solution		20 mg/ml, 750 µL	5226700101
Proteinase K, lyophilized		100 mg	5214700101



