

Food Feed Water Environmental

CATALOGUE

Testing products



GENERON
Food Safety in our Genes



Read this catalogue if you VALUE

PROMISE

Creating a great customer experience begins with staying true to the words we speak and the bonds we make.

PASSION

Having a joy not just for the work itself but also the people around us, so that everyone can be bold, innovative, and creative.

QUALITY

Companies are judged by the craftsmanship of their products and services, so the highest standards must be maintained.

ACCOUNTABILITY

Accepting responsibility for is the ultimate way to build trust internally and externally.

LEARNING

No one has all the answers. A culture of humility and continuous learning is a bedrock principle of successful companies.



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Laboratory Set-up Equipment

Real-Time PCR Equipment	Code
bCUBE v2.0 Smartphone driven portable Real-Time PCR	BCUBE_1
bCUBE v3.0 Smartphone driven portable Real-Time PCR	BCUBE_1V3
bCUBE PLUS Smartphone driven portable Real-Time PCR	BCUBE_PLUS
bCUBE 16-wells cartridges 25 units	BCUBE_3
bCUBE 36-wells cartridges 25 units	BCUBE_5

Ancillary Equipment	Code
Mini PCR hood with laminar flow and UV lamp	ACC4095
Fixed speed minicentrifuge 7200 rpm for 8 microtubes (0.5 - 2 ml) and PCR strips	ACC1064
Variable speed minicentrifuge 15000 rpm for 12 microtubes (0.5 - 2 ml)	ACC1063
Variable speed vortex	ACC1003
Programmable interchangeable single block thermal shaker	ACC2300
Programmable interchangeable double block thermal shaker	ACC2301
ACC2300 and ACC2301 compatible block for 24 x 2 ml tubes	ACC2303
ACC2300 and ACC2301 compatible block for 6 x 50 ml tubes	ACC2302
Electronic 8-channels micropipette for volumes 50-1200 µl	ACC2666
Vacuum Pump for ION Force/Filtration ramp	ACC2908
Multistep electronic pipette range 1 µL - 50 µL	ACC1902 02
ION Force manifold	EXD010-P
3-branches vacuum manifold for liquids filtration	Rampa X3-1

Nucleic Acids

Extraction Kits

DNA/RNA extraction is of paramount importance in qPCR results.

Generon developed a portfolio of multiple extraction products to offer the customers the most convenient solution fitting their technical demands.

Product List	Code	Format
ION Force DNA Extractor FAST	EXD001	100 tests
ION Spin K DNA Prep One-for-All	EXD018K	50 tests
FASTfood Universal DNA extraction kit	EXD009/020	20 ml/100 ml
Viral/bacterial DNA/RNA extraction kit	EXD199	50 tests

Product List	Code	Format
ION Force Solution A	EXD003	500 ml bottle
ION Force Solution D	EXD004	20 ml bottle
ION Force Buffer T	EXD006	250 ml bottle
ION Force Buffer P	EXD199	50 ml bottle
ION Force Buffer E	EXD013E	100 ml bottle
Proteinase K	EXD011	100 mg/vial
Proteinase K resuspension Buffer	EXD010	1 bottle
DNA/DNAse free water for samples dilutions	ACC019P	40 ml

PATHfinder Microbiology Kits

PATHfinder is the portfolio of products for the detection and identification of microbes relevant to food and water safety analysis using Real-Time PCR.

PATHfinder detection kits were developed upon peer reviewed scientific literature and ISO technical specifications.

Each kit includes: target specific reagents (primers and probes), Mastermix, diluent, negative control and positive control.

PATHfinder Real-Time PCR detection kits	50 tests
2-plex <i>Salmonella</i> spp/IAC	PMB01A-50
2-plex <i>Listeria monocytogenes</i> /IAC	PMB02A-50
2-plex [<i>Salmonella</i> + <i>L. monocytogenes</i>]/IAC	PMB64A-3-50
3-plex <i>Salmonella</i> spp/ <i>L. monocytogenes</i> /IAC	PMB64A-1-50
2-plex <i>Listeria</i> spp/IAC	PMB03A-50
3-plex <i>Listeria</i> spp and <i>Listeria monocytogenes</i> /IAC	PMB23A-50
3-plex <i>Listeria monocytogenes</i> and <i>Listeria fleischmannii</i> /IAC	PMB26A-50
4-plex <i>Salmonella</i> spp/ <i>L. monocytogenes</i> / <i>Listeria</i> spp/IAC	PMB68A-50
4-plex <i>Listeria</i> spp/ <i>L. innocua</i> / <i>L. grayi</i> /IAC	PMB24A-50
4-plex <i>Listeria welshimeri</i> / <i>L. ivanovii</i> / <i>L. seligeri</i> /IAC	PMB25A-50

Fully compliant to ISO-13136/EURL

2-plex <i>E. coli</i> STEC (stx1)/IAC	PMB10A-V1-50
2-plex <i>E. coli</i> STEC (stx2)/IAC	PMB10A-V2-50
2-plex <i>E. coli</i> STEC (stx2f)/IAC	PMB10A-V2F-50
2-plex <i>E. coli</i> STEC (eae)/IAC	PMB10A-VE-50

PATHfinder

Microbiology Kits

PATHfinder Real-Time PCR STEC serotyping kits fully compliant to ISO-13136/EURL

PATHfinder Real-Time PCR STEC serotyping kits fully compliant to ISO-13136/EURL	50 tests
2-plex <i>E. coli</i> H:4 [fliC]/IAC	PMB10A-H4
2-plex <i>E. coli</i> H:7 [fliC]/IAC	PMB10A-H7
2-plex <i>E. coli</i> O:103 [wzx]/IAC	PMB10A-P103
2-plex <i>E. coli</i> O:104 [wzx]/IAC	PMB10A-P104
2-plex <i>E. coli</i> O:111 [wbdL]/IAC	PMB10A-P111
2-plex <i>E. coli</i> O:121 [wzx]/IAC	PMB10A-P121
2-plex <i>E. coli</i> O:145 [ihp1]/IAC	PMB10A-P145
2-plex <i>E. coli</i> O:157 [rfbE]/IAC	PMB10A-P157
2-plex <i>E. coli</i> O:26 [wzx]/IAC	PMB10A-P26
2-plex <i>E. coli</i> O:45 [wzx]/IAC	PMB10A-P45
2-plex <i>E. coli</i> STEC Big 7 serotyping [O157, O111, O26, O103, O145, O121, O45]/IAC strips	PMB10A-OST*
2-plex <i>E. coli</i> serotyping - [O157, O111, O26, O103, O145]/IAC strips	PMB10A-OST2*

*12x8 Strips

 FAM
  HEX
  TxRed
  Cy5

PATHfinder

Microbiology Kits

Based on ISO-13136/EURL

* 50+50 Tests

3-plex <i>E. coli</i> STEC [stx1+stx2]/[eae]/IAC	PMB10M-50
3-plex <i>E. coli</i> STEC [stx1]/[stx2]/[eae]/IAC	PMB10M-V1C2E-50
4-plex <i>E. coli</i> STEC [stx1]/[stx2+stx2f]/[eae]/IAC	PMB10A-EFSA-50
2x2-plex <i>E. coli</i> STEC [stx1]/[stx2] & [eae]/IAC	PMB10A-50*
2x2-plex <i>E. coli</i> STEC [stx1 + stx2]/[stx2f] & [eae]/IAC	PMB10A-F-50*
2x2-plex [<i>Salmonella</i> + <i>L. monocytogenes</i>]/IAC & [stx1 + stx2]/[eae]	PMB64A-2-50*
2x3-plex <i>Salmonella</i> spp/ <i>L. monocytogenes</i> /IAC & [stx1 + stx2]/[eae]/IAC	PMB64A-50*

Solutions for Legionella fully compliant to ISO-12869

2-plex <i>Legionella</i> spp/IAC	PMB18A-50
2-plex <i>Legionella pneumophila</i> /IAC	PMB15A-50

Solutions for Legionella based on ISO-12869

3-plex <i>Legionella</i> spp/ <i>L. pneumofila</i> /IAC	PMB16A-50
4-plex <i>Legionella</i> spp/ <i>L. pneumofila</i> / <i>L. pneumophila SG1</i> /IAC	PMB15D-SG-50



PATHfinder

Microbiology Kits

Other Targets

* 50+50 Tests

PATHfinder Real-Time PCR Detection kits	50 tests
2-plex <i>Pseudomonas aeruginosa</i> /IAC	PMB05A-50
2-plex <i>Staphylococcus aureus</i> /IAC	PMB11A-50
2-plex <i>Cronobacter</i> spp/IAC (acc. to FDA BAM Chapter 29)	PMB08A-50
2-plex Giardia/IAC	PMB41A-50
2-plex <i>Cryptosporidium</i> /IAC	PMB42A-50
3-plex <i>Anisakis</i> / <i>Pseudoterranova</i> /IAC	PMB66A-50
2-plex <i>Alicyclobacillus</i> spp/IAC	PMB48A-50
2-plex <i>Alicyclobacillus acidoterrestris</i> /IAC	PMB48A-AT-50
2x2-plex Guaiacol producing <i>Alicyclobacilli</i> /IAC & <i>A. acidocaldarius</i>	PMB48A-G-50*
2-plex <i>Shigella</i> spp/IAC	PMB61A-50
4-plex Pathogenic Vibrio - <i>parahaemolyticus</i> / <i>vulnificus</i> / <i>cholerae</i> /IAC	PMB13A-M-50
4-plex <i>Vibrio parahaemolyticus</i> (<i>tlh</i>) and virulence factors <i>tdh</i> / <i>trh</i> /IAC	PMB17A-50
3-plex <i>Bacillus Cereus</i> Group/ <i>cereulide gene</i> /IAC	PMB38A-50
2-plex <i>cereulide gene</i> /IAC (acc. to ISO-7932)	PMB38A-1-50
2-plex Thermotolerant <i>Campylobacter</i> spp/IAC (acc. to ISO-10272)	PMB04A-50
2-plex <i>Clostridium botulinum</i> [A-G] Group/IAC	PMB44A-50
2-plex <i>Clostridium botulinum</i> Detection [A-B-E-F]/IAC (based on ISO-17919)	PMB67A-50
2-plex <i>Clostridium perfringens</i> /IAC	PMB06A-50
2-plex <i>Yersinia enterocolitica</i> /IAC (acc. to ISO-18867)	PMB07A-50
2-plex <i>Yersinia pseudotuberculosis</i> /IAC (acc. to ISO-18867)	PMB60A-50

MODIfinder GMO Kits

Generon developed multiple kits to provide a turn-key solution to test the presence of GMO, according to EURL and ISO indications. The portfolio includes all the reagents and controls to run the detection protocols.

MODIfinder Screening kits detect the presence of GMOs in a DNA extract using typical markers. **MODIfinder Identification kits** detect the unique signature of a transformation event that is the junction at the integration locus between the recipient genome and the inserted DNA.

Each kit includes: Oligo Mix for GMO target, Mastermix, diluent, negative control, positive control extracted from certified reference materials.

MODIfinder Quantification kits provide values of GMO contamination in % (w/w) to fulfill labelling requirements.

Each kit includes: Oligo Mix for GMO specific target DNA sequence, Oligo Mix for endogenous reference gene, Mastermix, diluent, negative control and set of calibration standards extracted from certified reference materials.

DNA amplifiability control kits	50 tests
Universal eukaryotic Reference gene	PGE06A-50
Corn Reference gene (HMG)	PGE24A-50 + PGE24A-C-50
Flax Reference gene	PGE12A-50
Rice Reference gene	PGE13A-50 + PGE13A-C-50
Rapeseed Reference gene	PGE19A-50
Soybean Reference gene	PGE09A-50 + PGE09A-C-50
Potato Reference gene	PGE20A-50
Cotton Reference gene (ACP1)	PGE21A-50
Cotton Reference gene (SAH7 - acc. to IWA32)	PGE21AIWA32-50 + PGE21AIWA32-C-50
Sugarbeet Reference gene	PGE22A-50
Papaya Reference gene	PGE31A-50

Genetic modification markers detection kits	50 tests
p35S CaMV	PGE01A-50
t35S CaMV	PGE03A-50
tNOS	PGE04A-50
p34S/pFMV	PGE17A-50
nptII	PGE07A-50
pat	PGE14A-50
pat (acc. to IWA32)	PGE14AIWA32-50
bar	PGE15A-50
epsps (Pan)	PGE16A-50
OTP mEPSPS	PGE30A-50
Cry1Ab/Ac (including MON810)	PGE25A-50
cry1Ab/Ac (acc. to IWA32)	PGE25AIWA32-50
pNOS	PGE27A-50

MODIfinder

GMO Kits

Multiplex Genetic Modification markers kits

All the multiplex kits are fulfilling the requirements indicated on JRC Technical Report "Guidance document on multiplex real-time PCR methods"

Multiplex Genetic Modification markers detection kits

*50+50 tests

FASTscreen Duo for feed ingredients testing p35s/tNOS	PGE05A-8ST
FASTscreen Tetra for feed ingredients testing p35s/tNOS & pFMV/pat*	PGE10A-8ST
2-plex p35S/tNOS	PGE05A-50
2-plex pFMV/nptII	PGE40A-50
2-plex t35S/pat+bar	PGE51A-50
2-plex epsps/pat	PGE53A-50
3-plex nptII/pat/epsps	PGE32A-50
3-plex p35S/tNOS/pFMV	PGE26A-50
4-plex p35S/tNOS/pFMV with internal control	PGE26A-C-50
4-plex p35S/tNOS/pFMV/bar	PGE34A-50
4-plex nptII/pat/epsps/pNOS	PGE35A-50
4-plex epsps/pat/bar/nptII	PGE42A-50
4-plex p35S/tNOS/pFMV/t35S	PGE47A-50

Botanical impurities detection kits	50 tests
2-plex CaMV/FMV virions infection	PGE39A-50
2-plex Corn/soy	PGE43A-50
3-plex Rice/Sugar Beet/Wheat	PGE48A-50
4-plex Flax/Soy/Rapeseed/Cotton	PGE49A-50
4-plex Corn/Soy/Rapeseed/Cotton	PGE33A-50

Corn	Detection kit 50 tests	Quantification kit 50 tests
Bt176 (UID SYN-EV176-9)	PGC01A-50	PGC01Q-50
MON810 (UID MON-00810-6)	PGC02A-50	PGC02Q-50
T25 (UID ACS-ZM003-2)	PGC03A-50	PGC03Q-50
BT11 (UID SYN-BT011-1)	PGC04A-50	PGC04Q-50
NK603 (UID MON-00603-6)	PGC05A-50	PGC05Q-50
GA21 (UID MON-00021-9)	PGC07A-50	PGC07Q-50
DAS1507 (UID DAS-01507-1)	PGC08A-50	PGC08Q-50
MON863 (UID MON-00863-5)	PGC09A-50	PGC09Q-50
MIR604 (UID SYN-IR604-5)	PGC10A-50	PGC10Q-50
DAS59122 (UID DAS-59122-7)	PGC11A-50	PGC11Q-50
DBT418 (UID DKB-89614-9)	PGC12A-50	NA
98140 (UID DP-098140-6)	PGC13A-50	NA
MIR162 (UID SYN-IR162-4)	PGC14A-50	PGC14Q-50
LY038 (UID REN-00038-3)	PGC16A-50	NA
Event 3272 (UID SYN-E3272-5)	PGC17A-50	NA
MON88017 (UID MON-88017-3)	PGC19A-50	PGC19Q-50
MON89034 (UID MON-89034-3)	PGC20A-50	PGC20Q-50
DAS40278 (UID DAS-40278-9)	PGC22A-50	PGC22Q-50
MON87460 (UID MON-87460-4)	PGC23A-50	PGC23Q-50
Event 5307 (UID SYN-05307-1)	PGC24A-50	PGC24Q-50

 FAM HEX TxRed Cy5

Corn	Detection kit 50 tests	Quantification kit 50 tests
MON87427 (UID MON-87427-7)	PGC25A-50	PGC25Q-50
VCO-01981-5 (UID VCO-01981-5)	PGC26A-50	NA
MON87411 (UID MON-87411-9)	PGC27A-50	PGC27Q-50
4114 (UID DP-004114-3)	PGC29A-50	PGC29Q-50
MZIRO98 (UID SYN-00098-3)	PGC30A-50	PGC30Q-50
MZHGOJG (UID SYN-000JG-2)	PGC31A-50	PGC31Q-50
MON87403 (UID MON-87403-1)	PGC32A-50	PGC32Q-50
DP202216 (UID DP-202216-6)	PGC42A-50	NA

Corn Multiplex detection kits

2-Plex kit for the detection of GM corn DAS40278/LY038	PGC28A-50
2-Plex kit for the detection of GM corn 4114/5307	PGC33A-50
2-Plex kit for the detection of GM corn Bt11/DAS1507	PGC34A-50
2-Plex kit for the detection of GM corn GA21/DAS59122	PGC35A-50
2-Plex kit for the detection of GM corn MIR162/MIR604	PGC36A-50
2-Plex kit for the detection of GM corn MON810/MON87403	PGC37A-50
2-Plex kit for the detection of GM corn MON87411/MON87427	PGC38A-50
2-Plex kit for the detection of GM corn MON87460/MON88017	PGC39A-50
2-Plex kit for the detection of GM corn MON89034/NK603	PGC40A-50
2-Plex kit for the detection of GM corn T25/MZHGOJG	PGC41A-50
2-Plex kit for the detection of GM corn DP202216/DAS40278	PGC46A-50

Soybean	Detection kit 50 tests	Quantification kit 50 tests
A2704-12 (UID ACS- GM005-3)	PGS01A-50	PGS01Q-50
GTS40-3-2 (R.Up Ready) (UID MON-04032-6)	PGS02A-50	PGS02Q-50
A5547-127 (UID ACS- GM006-4)	PGS03A-50	PGS03Q-50
MON89788 (UID MON-89788-1)	PGS04A-50	PGS04Q-50
DP305423 (UID DP-305423-1)	PGS05A-50	PGS05Q-50
DP356043 (UID DP-356043-5)	PGS06A-50	PGS06Q-50
MON87701 (UID MON-87701-2)	PGS07A-50	PGS07Q-50
CV127 (UID BPS-CV127-9)	PGS08A-50	PGS08Q-50
MON87705 (UID MON-87705-6)	PGS09A-50	PGS09Q-50
MON87769 (UID MON-87769-7)	PGS10A-50	PGS10Q-50
FG72 (UID MST-FG072-2)	PGS11A-50	PGS11Q-50
DAS44406 (UID DAS-44406-6)	PGS12A-50	PGS12Q-50
DAS68416 (UID DAS-68416-4)	PGS13A-50	PGS13Q-50
DAS81419 (UID DAS-81419-2)	PGS14A-50	PGS14Q-50
MON87708 (UID MON-87708-9)	PGS15A-50	PGS15Q-50
MON87751 (UID MON-87751-7)	PGS19A-50	PGS19Q-50
SYHTOH2 (UID SYN-000H2-5)	PGS20A-50	PGS20Q-50
GMB151 (UID BCS- GM151-6)	PGS33A-50	PGS33Q-50

■ FAM

■ HEX

■ TxRed

■ Cy5

Soybean Multiplex detection kits

2-plex CV127/DP305423	PGS17A-50
2-plex SYHTOH2/GMB151	PGS22A-50
2-plex MON87754/MON87751	PGS23A-50
2-plex A2704-12/A5547-127	PGS24A-50
2-plex CV127/MON87769	PGS25A-50
2-plex DAS68416/DAS44406	PGS26A-50
2-plex DP305423/DP356043	PGS27A-50
2-plex GTS 40-3-2/FG72	PGS28A-50
2-plex MON87705/MON89788	PGS29A-50
2-plex MON87708/MON87701	PGS30A-50
3-plex A2704/A5547/DP356043	PGS18A-50
3-plex CV127+MON87701/DP305423+DP356043/MON87708+MON87769	PGS21A-50
3-plex CV127/DP305423/MON87701	PGS16A-50
4-plex CV127/DP305423/MON87751/MON87708	PGS31A-50
4-plex MON87701/DP356043/MON87754/MON87769	PGS32A-50
4-plex CV127/DP305423/MON87708/MON87769	PGS34A-50

Cotton	Detection kit 50 tests	Quantification kit 50 tests - ON DEMAND-
MON531 (UID MON-00531-6)	PGT01A-50	PGT01Q-50
MON1445 (UID MON-01445-2)	PGT02A-50	PGT02Q-50
281-24-236 (UID DAS-24236-5)	PGT03A-50	PGT03Q-50
3006-210-23 (UID DAS-21023-5)	PGT04A-50	PGT04Q-50
LL25 (UID ACS-GH001-3)	PGT05A-50	PGT05Q-50
MON15985 (UID MON-15985-7)	PGT06A-50	PGT06Q-50
GHB614 (UID BCS-GH002-5)	PGT07A-50	PGT07Q-50
MON88913 (UID MON-88913-8)	PGT08A-50	PGT08Q-50
GHB119 (UID BCS-GH005-8)	PGT09A-50	PGT09Q-50
T304-40 (UID BCS-GH004-7)	PGT10A-50	PGT10Q-50
COT-102 (UID SYN-IR102-7)	PGT11A-50	NA
MON88701 (UID MON-88701-3)	PGT12A-50	NA
DAS81910 (UID DAS-81910-7)	PGT13A-50	NA
GHB811 (UID BCS-GH811-4)	PGT14A-50	NA

■ FAM

■ HEX

■ TxRed

■ Cy5

Canola	Detection kit 50 tests	Quantification kit 50 tests
MS8 (UID ACS-BN005-8)	PGZ01A-50	PGZ01Q-50
RF3 (UID ACS-BN003-6)	PGZ02A-50	PGZ02Q-50
RT73 (UID MON-00073-7)	PGZ03A-50	PGZ03Q-50
T45 (UID ACS-BN008-2)	PGZ04A-50	PGZ04Q-50
TOPAS 19 2 (UID ACS-BN007-1)	PGZ05A-50	PGZ05Q-50
RF1 (UID ACS-BN001-4)	PGZ06A-50	PGZ06Q-50
RF2 (UID ACS-BN002-5)	PGZ07A-50	PGZ07Q-50
OXY-235 (UID ACS-BN011-5)	PGZ08A-50	NA
MS1 (UID ACS-BN004-7)	PGZ09A-50	PGZ09Q-50
DP073496 (UID DP-073496-4)	PGZ10A-50	PGZ10Q-50
MON88302 (UID MON-88302-9)	PGZ11A-50	PGZ11Q-50
MS11 (UID ACS-BN012-7)	PGZ12A-50	NA

Sugar beet	Detection kit 50 tests	Quantification kit 50 tests
RURH7-1 (UID KM-000H71-4)	PGB01A-50	PGB01Q-50

MODIfinder

GMO Kits

Flax	50 tests
FP967 detection kit (UID CDC-FL001-2)	PGF01A-50

Potato	50 tests
EH92-527 detection kit (UID BPS-25271-9)	PGP01A-50

Rice	50 tests
GM LL601 detection kit (UID BCS-OS003-7)	PGR01A-50
LL62 detection kit (UID ACS-OS002-5)	PGR02A-50
GM BT63 detection kit (UID HZU-HH001-9)	PGR03A-50

Papaya	50 tests
Huanhong N1 detection kit (UID Not Available)	PGY01A-50
55-1 detection kit (UID CUH-CP551-8)	PGY02A-50

MODIfinder AquAdvantage Salmon

Salmon is the first genetically modified animal to be approved for human consumption although only in a few countries.

The MODIfinder AquAdvantage Salmon Assay detects the genetic modification on the growth hormone-regulating gene of this genetically modified salmon.

Salmon	50 tests
AquAdvantage detection kit	PGX01A-50



FAM



HEX



TxRed



Cy5

MODIfinder

GMO Kits

MODIfinder SemiQ Controls

MODIfinder SemiQ Controls are pure DNA extracts from traceable reference materials at a defined concentration. When used as cut-off positive controls in GM detection experiments, performed on matrices derived from single ingredients (e.g. soy grains, lecithin, corn, corn starch...), if unknown samples are normalized at the same DNA concentration, they allow for a convenient estimation of contamination levels without the need of more expensive classical quantification experiments. Inquire for customized concentrations and contaminations level.

Quantified Reference DNA - 120 µl 10 ng/µl non-GM	Code
Corn non-GM	PGE24R-BLK10PPM
Soy non-GM	PGE09R-BLK10PPM
Cotton non-GM	PGE21R-BLK10PPM
Rice non-GM	PGE13R-BLK10PPM
Rapeseed (Canola) non-GM	PGE19R-BLK10PPM
Potato non-GM	PGE20R-BLK10PPM
Sugar Beet non-GM	PGE22R-BLK10PPM

Quantified Reference DNA - 120 µl 10 ng/µl GM 1% (w/w)	Code
GM Sugar beet RURH7-1 (UID KM-000H71-4)	PGB01R
GM Corn Bt176 (UID SYN-EV176-9)	PGC01R
GM Corn MON810 (UID MON-00810-6)	PGC02R
GM Corn T25 (UID ACS-ZM003-2)	PGC03R
GM Corn BT11 (UID SYN-BT011-1)	PGC04R
GM Corn NK603 (UID MON-00603-6)	PGC05R
GM Corn GA21 (UID MON-00021-9)	PGC07R
GM Corn DAS1507 (UID DAS-01507-1)	PGC08R
GM Corn MON863 (UID MON-00863-5)	PGC09R

Quantified Reference DNA - 120 µl 10 ng/µl GM 1% (w/w)	Code
GM Corn MIR604 (UID SYN-IR604-5)	PGC10R
GM Corn DAS59122 (UID DAS-59122-7)	PGC11R
GM Corn 98140 (UID DP-098140-6)	PGC13R
GM Corn MIR162 (UID SYN-IR162-4)	PGC14R
GM Corn Event 3272 (UID SYN-E3272-5)	PGC17R
GM Corn MON88017 (UID MON-88017-3)	PGC19R
GM Corn MON89034 (UID MON-89034-3)	PGC20R
GM Corn DAS40278 (UID DAS-40278-9)	PGC22R
GM Corn MON87460 (UID MON-87460-4)	PGC23R
GM Corn Event 5307 (UID SYN-05307-1)	PGC24R
GM Corn MON87427 (UID MON-87427-7)	PGC25R
GM Corn VCO-01981-5 (UID VCO-01981-5)	PGC26R
GM Corn MON87411 (UID MON-87411-9)	PGC27R
GM Corn 4114 (UID DP-004114-3)	PGC29R
GM Corn MZIRO98 (UID SYN-00098-3)	PGC30R
GM Corn MZHGOJG (UID SYN-000JG-2)	PGC31R
GM Corn MON87403 (UID MON-87403-1)	PGC32R
GM Potato EH92-527 (UID BPS-25271-9)	PGP01R
GM Potato AM04-1020 (UID BPS-A1020-5)	PGP02R
GM Potato AV43-6-G7 (UID AVE-436G7-1)	PGP03R

Quantified Reference DNA - 120 µl 10 ng/µl GM 1% (w/w)	Code
GM Rice LL62 (UID ACS-OS002-5)	PGRO2R
GM Soybean A2704-12 (UID ACS-GM005-3)	PGS01R
GM Soybean GTS 40-3-2 (RoundUp Ready) (UID MON-04032-6)	PGS02R
GM Soybean A5547-127 (UID ACS-GM006-4)	PGS03R
GM Soybean MON89788 (UID MON-89788-1)	PGS04R
GM Soybean DP305423 (UID DP-305423-1)	PGS05R
GM Soybean DP356043 (UID DP-356043-5)	PGS06R
GM Soybean MON87701 (UID MON-87701-2)	PGS07R
GM Soybean CV127 (UID BPS-CV127-9)	PGS08R
GM Soybean MON87705 (UID MON-87705-6)	PGS09R
GM Soybean MON87769 (UID MON-87769-7)	PGS10R
GM Soybean FG72 (UID MST-FG072-2)	PGS11R
GM Soybean DAS44406 (UID DAS-44406-6)	PGS12R
GM Soybean DAS68416 (UID DAS-68416-4)	PGS13R
GM Soybean DAS81419 (UID DAS-81419-2)	PGS14R
GM Soybean MON87708 (UID MON-87708-9)	PGS15R
GM Soybean MON87751 (UID MON-87751-7)	PGS19R
GM Soybean SYHTOH2 (UID SYN-000H2-5)	PGS20R
GM Soybean GMB151 (UID BCS-GM151-6)	PGS33R
GM-Soybean DBN9004 (UID DBN-09004-6)	PGS35R

Quantified Reference DNA - 120 µl 10 ng/µl GM 1% (w/w)	Code
GM Cotton MON531 (UID MON-00531-6)	PGT01R
GM Cotton MON1445 (UID MON-01445-2)	PGT02R
GM Cotton 281-24-236 (UID DAS-24236-5)	PGT03R
GM Cotton 3006-210-23 (UID DAS-21023-5)	PGT04R
GM Cotton MON15985 (UID MON-15985-7)	PGT06R
GM Cotton GHB614 (UID BCS-GH002-5)	PGT07R
GM Cotton MON88913 (UID MON-88913-8)	PGT08R
GM Cotton GHB119 (UID BCS-GH005-8)	PGT09R
GM Cotton T304-40 (UID BCS-GH004-7)	PGT10R
GM Cotton COT-102 (UID SYN-IR102-7)	PGT11R
GM Cotton MON88701 (UID MON-88701-3)	PGT12R
GM Cotton DAS81910 (UID DAS-81910-7)	PGT13R
GM Cotton GHB811 (UID BCS-GH811-4)	PGT14R
GM Canola MS8 (UID ACS-BN005-8)	PGZ01R
GM Canola RF3 (UID ACS-BN003-6)	PGZ02R
GM Canola RT73 (UID MON-00073-7)	PGZ03R

Quantified Reference DNA - 120 µl 10 ng/µl GM 1% (w/w)	Code
GM Canola T45 (UID ACS-BN008-2)	PGZ04R
GM Canola TOPAS 19 2 (UID ACS-BN007-1)	PGZ05R
GM Canola RF1 (UID ACS-BN001-4)	PGZ06R
GM Canola RF2 (UID ACS-BN002-5)	PGZ07R
GM Canola OXY-235 (UID ACS-BN011-5) ddPCR	PGZ08R
GM Canola MS1 (UID ACS-BN004-7)	PGZ09R
GM Canola DP073496 (UID DP-073496-4)	PGZ10R
GM Canola MON88302 (UID MON-88302-9)	PGZ11R
GM Canola MS11 (UID ACS-BN012-7)	PGZ12R

Quantified Reference DNA - 120 µl 10 ng/µl non-GM	Code
Corn non-GM	PGE24R-BLK10PPM
Soy non-GM	PGE09R-BLK10PPM
Cotton non-GM	PGE21R-BLK10PPM
Rice non-GM	PGE13R-BLK10PPM
Rapeseed (Canola) non-GM	PGE19R-BLK10PPM
Potato non-GM	PGE20R-BLK10PPM
Sugar Beet non-GM	PGE22R-BLK10PPM

SPECIALfinder

Food Allergens Detection Kits

SPECIALfinder MC kits

SPECIALfinder MC is the portfolio of Real-Time PCR kits developed at Generon targeting multicity sequences in allergens genomes. This maximizes the sensitivity of allergens detection in environmental swabs and in various complex food/feed matrices after an appropriate DNA extraction.

Each kit includes: target specific reagents (primers and probes), Mastermix, diluent, negative control and positive control.

Food allergen Real-Time PCR detection kit	50 Tests	Food allergen Real-Time PCR detection kit	50 Tests
MC Soy/IAC	PAV01M-50	MC Sesame/IAC	PAV13M-50
MC Peanut/IAC	PAV02M-50	MC Mustard/IAC	PAV14M-50
MC Hazelnut/IAC	PAV03M-50	MC Celery/IAC	PAV15M-50
MC Pecan Nut/IAC	PAV05M-50	MC Brazil nut/IAC	PAV16M-50
MC Walnut/IAC	PAV06M-50	MC Lupin/IAC	PAV18M-50
MC Pistachio/IAC	PAV07M-50	MC Macadamia Nut/IAC	PAV21M-50
MC Cashew/IAC	PAV08M-50	MC Mollusks/IAC	PAV22M-50
MC Almond/IAC	PAV09M-50	MC Pine Nut/IAC	PAV23M-50

MC Tree Nuts and Peanut MultiSCREEN/IAC	PAV26M-50
MIX 1: Hazelnut, Cashew, Pistachio, Macadamia nut, Peanut/IAC MIX 2: Almond, Brasil nut, Pecan nut, Walnut/IAC	



SPECIALfinder

Food Allergens Detection Kits

SPECIALfinder kits are developed and validated according to UNI-EN 15634-1:2009 guidelines to detect the target allergen DNA with high specificity and sensitivity. Absence of cross-reactivity was tested versus many food ingredients to avoid false positives. All the tests are made using state-of-art molecular biology grade reagents. Generon offers all the necessary pre- and post-sales support for the implementation of the methods on customers' matrices.

Food allergen Real-Time PCR detection kit	50 Tests
Rye/IAC	PAV10A-50
Oats/IAC	PAV11A-50
Gluten/IAC	PAV17A-50
Crustaceans/IAC	PAV19A-50
Fish/IAC	PAV20A-50
Buckwheat/IAC	PAV24A-50
Barley/IAC	PAV25A-50

Gluten Extraction	Code
Buffer for R5 ELISA kits according to CODEX Alimentarius	MCE024 1000 ml MCE024-1 250 ml



FAM



HEX



TxRed



Cy5

SPECIALfinder

Food Allergens Detection Kits

SpyX

Allergens' freeze dried powder dispersed in 5 grams of corn flour to be processed as unknown samples or dispersed in a different matrix to validate analytical processes. Each set is composed by: Tube 1 - flour containing 1000 ppm of allergen powder; Tube 2 - blank flour.

The product can be customized using blank matrices provided by our clients.

Allergen	Code	Allergen	Code
Corn blank	PAV00X	Barley in corn	PAV12X
Soy in corn	PAV01X	Sesame in corn	PAV13X
Peanut in corn	PAV02X	Mustard in corn	PAV14X
Hazelnut in corn	PAV03X	Celery in corn	PAV15X
Wheat in corn	PAV04X	Brazil Nut in corn	PAV16X
Pecan Nut in corn	PAV05X	Lupin in corn	PAV18X
Walnut in corn	PAV06X	Crustaceans in corn	PAV19X
Pistachio in corn	PAV07X	Fish in corn	PAV20X
Cashew in corn	PAV08X	Macadamia in corn	PAV21X
Almond in corn	PAV09X	Mollusks in corn	PAV22X
Rye in corn	PAV10X	Pine Nuts in corn	PAV23X
Oats in corn	PAV11X	Buckwheat in corn	PAV24X

SpyX matrix reference material for food allergens - ON DEMAND -

Coconut in corn	Peanut in wheat dispersive matrix
Hazelnut in wheat dispersive matrix	Total Milk in corn dispersive matrix
Pecan nut in wheat dispersive matrix	Soy in wheat dispersive matrix

VERYfinder

Ingredient Authenticity Kits

VERYfinder is the product line developed by Generon with premium quality molecular biology reagents to provide the customer a turn-key solution for the detection and semi-quantification of a wide selection of animal and plant nucleic acids.

Each kit includes: target specific reagents (primers and probes), Mastermix, diluent, negative control, 2 vials of positive control (120 µl Target DNA at a concentration 8 ng/µl) extracted from raw material and heat treated material respectively. Heat treatment performed in autoclave at 121°C for 20'.

Animal duplex kits	50 Tests
PORK traces semi-quantification/IAC	PMA01S-50
BOVINE traces semi-quantification/IAC	PMA02S-50
TURKEY traces semi-quantification/IAC	PMA03S-50
CHICKEN traces semi-quantification/IAC	PMA04S-50
SHEEP traces semi-quantification/IAC	PMA05S-50
GOAT traces semi-quantification/IAC	PMA06S-50
BUFFALO traces semi-quantification/IAC	PMA07S-50
EQUINE traces semi-quantification/IAC	PMA08S-50
RABBIT traces semi-quantification/IAC	PMA12S-50
DUCK traces semi-quantification/IAC	PMA13S-50
GOOSE traces semi-quantification/IAC	PMA14S-50
CAT traces semi-quantification/IAC	PMA96S-50
DOG traces semi-quantification/IAC	PMA97S-50
MEAT traces semi-quantification/IAC	PMA99A-50
VEGETARIAN traces semi-quantification/IAC	PMA99S-50

Animal single-plex kits fully compliant to ISO 20224	50 Tests	
PORK traces detection (acc. to ISO-20224-3)	PMA01ISO-50	
BOVINE traces detection (acc. to ISO-20224-1)	PMA02ISO-50	
TURKEY traces detection (acc. to ISO-20224-8)	PMA03ISO-50	
CHICKEN traces detection (acc. to ISO-20224-4)	PMA04ISO-50	
OVINE traces detection (acc. to ISO-20224-2)	PMA05ISO-50	
GOAT traces detection (acc. to ISO-20224-5)	PMA06ISO-50	
EQUINE traces detection (acc. to ISO-20224-6)	PMA08ISO-50	
DONKEY traces detection (acc. to ISO-20224-7)	PMA11ISO-50	
GOOSE traces detection (acc. to ISO-20224-9)	PMA14ISO-50	
Amplifiability control (acc. to ISO-20224)	PMA99ISO-50	
Milk authenticity tests	50 Tests	
COW BETA CASEIN InDaMilk110 A1 A2/ IAC	PMA34S-50	
Fish authenticity tests	50 Tests	
Authenticity testing: Atlantic Cod	PFA01A-50	
Grains authenticity tests	Code	Format
SOFT WHEAT traces quantification	PSVO2Q	100 Tests
SOFT/DURUM WHEAT contamination SemiQ Assay	PSVO2S-50	50 Tests

■ FAM

■ HEX

■ TxRed

■ Cy5

VERYfinder

Ingredient Authenticity Kits

VERYfinder Pure DNA Extract

*(meat treated in autoclave 20' @ 121 °C previous to DNA extraction)

Animal DNA - 1200 ng in 150 µl Vial	RAW MEAT	HEAT TREAT MEAT *
PORK	PMA01R	PMA01R_HT
BOVINE	PMA02R	PMA02R_HT
TURKEY	PMA03R	PMA03R_HT
CHICKEN	PMA04R	PMA04R_HT
SHEEP	PMA05R	PMA05R_HT
GOAT	PMA06R	PMA06R_HT
BUFFALO	PMA07R	PMA07R_HT
HORSE	PMA08R	PMA08R_HT
DONKEY	PMA11R	PMA11R_HT
RABBIT	PMA12R	PMA12R_HT
DUCK	PMA13R	PMA13R_HT
GOOSE	PMA14R	PMA14R_HT
WILD BOAR	PMA15R	PMA15R_HT
CAT	PMA96R	PMA96R_HT
DOG	PMA97R	PMA97R_HT

High Concentration Pure DNA Extracts from raw meat	[50 ng/µl] 150 µl vial
Pork	PMA01R_HC
Bovine	PMA02R_HC
Turkey	PMA03R_HC
Chicken	PMA04R_HC
Sheep	PMA05R_HC
Goat	PMA06R_HC
Buffalo	PMA07R_HC
Donkey	PMA11R_HC
Rabbit	PMA12R_HC
Duck	PMA13R_HC
Goose	PMA14R_HC

WHATfinder

Virus Detection Kits

Hepatitis A virus (HAV) and Norovirus (NoV) are important agents of food-borne human viral illness. HAV and NoV detection and quantification is difficult as they are non-cultivable; PCR has enabled confirmation and quantification of HAV and NoV.

Generon offers turn-key solution to test the presence of these pathogens according to ISO/CEN indications. The portfolio includes all the reagents to execute the ISO protocol from start to finish.

Each kit includes: target specific reagents (primers and probes), Mastermix, negative control and positive control.

Fully compliant to ISO-15216

Product List	50 Tests
HAV ID - Kit RTqPCR Hepatitis A	PVW08A-50
Norovirus I ID - Kit RTqPCR	PVW09A-50
Norovirus II ID - Kit RTqPCR	PVW10A-50
Recovery control kit	PVW05A-50

Based on ISO-15216

Product List	50 Tests
2-plex kit RTqPCR [Hepatitis A + Norovirus I + Norovirus II]/[IC]	PVW02A-50
3-plex kit RTqPCR [Hepatitis A]/[Norovirus I + Norovirus II]/[IC]	PVW03A-50
4-plex kit RTqPCR [Hepatitis A]/[Norovirus I]/[Norovirus II]/[IC]	PVW04A-50
2-plex HAV ID - Kit RTqPCR Hepatitis A/IAC	PVW18A-50
2-plex Norovirus I ID - Kit RTqPCR Norovirus I/IAC	PVW19A-50
2-plex Norovirus II ID - Kit RTqPCR Norovirus II/IAC	PVW20A-50
3-plex kit RTqPCR [Norovirus I]/[Norovirus II]/[IC]	PVW07A-50



FAM



HEX



TxRed



Cy5



**DISCOVER
GENERON COMPLETE
PORTFOLIO**

INGREDIENT AUTHENTICITY

CHEMICAL RESIDUES

GMO

MICROBIOLOGY

MYCOTOXINS

ALLERGENS

ANTIBIOTICS

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