



SureFood®/SureFast® real-time PCR kits

Product Overview – 02/2018

- Allergens
- GMO
- Animal Species
- Microbiology
- PREP Basic/Advanced



SureFood® ALLERGEN/Plant

SureFood® PREP

Advanced	S1053
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Extraction control detection kit

SureFast® Animal+Plant Control + ICD*	F4053
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New

SureFood® ALLERGEN – qualitative and/or quantitative real-time PCR**

Gluten	S3606
Soya	S3601
Almond	S3604
Brazil nut	S3617
Cashew	S3615
Hazelnut	S3602
Macadamia	S3616
Peanut	S3603
Pecan	S3618
Pistachio	S3614
Walnut	S3607
Sesame	S3608
Crustaceans	S3612
Fish	S3610
Molluscs***	S3613
Celery	S3605
Lupin	S3611
Mustard	S3609

* Internal Control DNA

** With Internal Amplification Control (IAC) using FAM/HEX

*** Qualitative only

SureFood® ALLERGEN – qualitative real-time PCR

4plex Soya/Celery/Mustard + IAC	S3401
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4plex Peanut/Hazelnut/Walnut + IAC	S3402
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SureFast® PLANT – qualitative real-time PCR

Oat PLUS	F6104	Available soon
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Laboratory reference material for quantitative real-time PCR

SureFood® QUANTARD Allergen 40	S3301
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SureFood® GMO

SureFood® PREP

Basic	S1052
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Advanced	S1053
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Extraction control detection kit

SureFast® Animal+Plant Control + ICD	F4053
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SureFood® GMO

Plant PLUS	S2049
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Plant	S2056
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Plant 4plex Corn/Soya/Canola/Cotton	S2156
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Plant 4plex Corn/Soya/Canola + IAC	S2158
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SureFood® GMO SCREEN – qualitative real-time PCR

35S + NOS + FMV	S2026
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4plex 35S/NOS/FMV + IAC	S2126
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4plex BAR/NPTII/PAT/CTP2:CP4 EPSPS	S2127
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CaMV	S2027
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P35S:BAR Rice	S2022
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* MON87708+CV127/DP305423/MON87701/MON87769

** MS8/6GT73/T45 Canola

*** MON88302/DPO734906/RF3 Canola

SureFood® GMO ID – qualitative real-time PCR

MIR162 Corn	S2035
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MON863 Corn	S2037
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MS8 Canola	S2062
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Bt63 Rice	S2024
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Roundup Ready Soya	S2030
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RR2Y Soya	S2034
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A2704-12 Soya	S2057
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4plex Soya I*	S2161
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4plex Canola I**	S2166
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4plex Canola II***	S2167
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SureFood® GMO QUANT – quantitative real-time PCR

Bt176 Corn	S2015
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Bt11 Corn	S2016
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T25 Corn	S2017
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MON810 Corn	S2019
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35S Corn	S2020
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NK603 Corn	S2050
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MON863 Corn	S2051
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MIR162 Corn	S2135
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GA21 Corn	S2054
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Roundup Ready Soya	S2014
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35S Soya	S2028
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RR2Y Soya	S2029
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SureFood® ANIMAL

SureFood® PREP

Basic	S1052
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Extraction control detection kit

SureFast® Animal+Plant Control + ICD	F4053
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SureFood® ANIMAL ID – qualitative real-time PCR

4plex Beef/Sheep/Goat + IAAC	S6121
4plex Pork/Chicken/Turkey + IAAC	S6123
4plex Beef/Pork/Horse + IAAC	S6126 New
Beef IAAC	S6113
Horse IAAC	S6118
Horse & Donkey IAAC	S6119
Pork SENS PLUS	S6017
Pork IAAC	S6114
Waterbuffalo IAAC	S6117
Camel IAAC	S6124
Chicken IAAC	S6115
Turkey IAAC	S6116
Cat & Dog IAAC	S6112
Rabbit IAAC	S6120
Poultry IAAC (chicken, turkey, duck, goose)	S6125 New

IAAC = Internal Amplification and Animal Control
Validated on Bio-Rad CFX96, Qiagen Rotor-Gene Q, Roche LC®480 and Stratagene/Agilent Mx3005P

SureFood® ANIMAL QUANT – quantitative real-time PCR

Beef	S1010
Equus	S1016
Pork	S1011
Chicken	S1014

SureFood® FISH ID – qualitative real-time PCR

Halibut IAAC 3plex (black and white halibut)	S6201
Oncorhynchus tshawytscha IAAC (chinook salmon)	S6301
Oncorhynchus mykiss IAAC (rainbow trout)	S6302
Oncorhynchus gorbuscha IAAC (pink/humpback salmon)	S6303
Oncorhynchus nerka IAAC (red salmon)	S6304
Salmo trutta IAAC (trout)	S6305
Salmo salar IAAC (atlantic salmon)	S6306
Melanogrammus aeglefinus IAAC (haddock)	S6307
Gadus macrocephalus IAAC (pacific cod)	S6308
Pollachius virens IAAC (pollock/saithe)	S6309
Gadus morhua IAAC (atlantic cod)	S6310
Merluccius merluccius (hake)	S6311
Merlangius merlangus IAAC (whiting)	S6312
Gadus chalcogrammus IAAC (alaska pollock)	S6313

FISH ID kits contain 50 reactions

SureFast® Microbiology

SureFast® – qualitative real-time PCR

Bacillus cereus group PLUS	F5126
Emetic Bacillus cereus PLUS	F5127 New
Campylobacter PLUS (C. jejuni, C. lari, C. coli)	F5112
Clostridium botulinum Screening PLUS	F5110
Clostridium estertheticum PLUS	F5160
Clostridium perfringens PLUS	F5123
Cronobacter PLUS	F5114
Cronobacter sakazakii PLUS	F5115
Escherichia coli PLUS	F5157
Escherichia coli eae gene PLUS	F5104
EHEC/EPEC 4plex (stx1, stx 2, ipaH, E.coli/Shigella)	F5128
Histomonas meleagridis ONE	F5213
Listeria Screening PLUS	F5117
Listeria monocytogenes PLUS	F5113
MRSA 4plex ONE	F7217 New
ORT PLUS (Ornithobacterium rhinotracheale)	F5164 New
Salmonella PLUS	F5111
Salmonella ONE	F5211
Salmonella Serotype 3plex	F5159
Staphylococcus aureus PLUS	F5116
STEC Screening PLUS	F5105
STEC 4plex (O157, stx1, stx2, eae)	F5165 New
Vibrio 4 plex (V. cholerae, V. parahaemolyticus, V. vulnificus +IAC)	F5161
Yersinia enterocolitica PLUS	F5124

SureFast® PREP

Bacteria	F1021
Aqua	F1023
DNA / RNA Virus	F1051
Speed Prep	F1054
PREP Salmonella	F1007

SureFast® real-time Reverse Transcriptase PCR (qualitative)

Norovirus PLUS	F7001
Norovirus/Hepatitis A 3plex	F7124
Hepatitis A PLUS	F7125
Hepatitis E PLUS	F7142
Influenza H5/H7/H9 4plex	F7139
Influenza A PLUS	F7103

SureFast® water analysis

Legionella pneumophila PLUS	F5501
Legionella Screen PLUS	F5502
Legionella 3plex	F5505
Pseudomonas aeruginosa PLUS	F5503
Parasitic Water Panel 4plex	F5506
Enterobacteriaceae Screening PLUS	F5507

* SureFood® Salmonella tests are AOAC-RI (041103) certified



Benefits

SureFood® kits are distributed worldwide by R-Biopharm AG. The test systems are produced by CONGEN Biotechnologie GmbH located in Berlin, Germany.

The SureFood®/SureFast® product range integrates effective sample preparation with high quality real-time PCR kits.

SureFood®/SureFast® PREP nucleic acid extraction kits are characterized by:

- Easy to use spin filter system
- Matrix optimized methods
- Effective extraction from highly processed food samples
- Only standard laboratory equipment required

SureFood®/SureFast® real-time PCR kits are developed based on long year experience of food analysis on DNA/RNA basis. They cover all relevant applications in fields of allergen, GMO and

pathogen detection as well as animal speciation with following main specifications:

- High sensitivity and specificity
- High reliability
- Robustness
- Direct application support by producer

The SureFood®/SureFast® kits are available for common real-time PCR devices. For kits with internal amplification control this is realized by the PLUS or IAAC system suitable for common qPCR cyclers:

PLUS 563 - 640 nm

- PLUS kits require a 2-channel device (FAM/HEX)
- 3plex kits require a 3-channel device (FAM/HEX/Cy5)
- 4plex kits require a 4-channel device (FAM/HEX/ROX/Cy5)

The SureFast® ONE kits contains the relevant lysis buffer for fast DNA preparation. An additional DNA preparation kit is not needed.

New Animal and Plant Control + ICD (Art. No. F4053)

Nearly all food and feed comprises of plant or animal origin. To ensure a successful DNA extraction result under given circumstances (matrix, PREP kit and laboratory); this extraction control may be used. Adding an internal control DNA (ICD) to the sample preparation helps to control the extraction procedure. Moreover, a differentiation between the DNA of vertebrates and plants is possible. In case of a positive animal signal, the food cannot be declared as vegetarian.

Accessories

Product	Description	No. of Tests / Amount	Code No.
Accessories			
SureCC Color Compensation Kit I	Color Compensation for multiplex application of SureFood® kits on LC480	For 3 calibration runs	F4009
SureCC Color Compensation Kit II	Color Compensation for multiplex application of SureFood® kits on LC2.0	For 3 calibration runs	F4010

Color compensation kits are mandatory for LightCycler® 2.0 and LC480.