



# SureFood®/SureFast® real-time PCR kits

Product Overview – 06/2020

- Allergens
- GMO
- Animal Species
- Microbiology





## SureFood® ALLERGEN

SureFood® PREP	
Advanced	S1053
Extraction control detection kit	
SureFast® Animal+Plant Control 3plex	F4053
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

\* Qualitative only

SureFood® ALLERGEN – qualitative real-time PCR	
4plex Soya/Celery/Mustard + IAC	S3401
4plex Peanut/Hazelnut/Walnut + IAC	S3402
4plex Macadamia/Brazil nut/Pecan + IAC	S3403
Oat	S7004
Buckwheat	S7005
4plex Cereals (wheat/barley/rye)	S7006

SureFood® – qualitative real-time PCR	
Apricot	S7007
Rice	S6103

Laboratory reference material for quantitative real-time PCR	
SureFood® QUANTARD Allergen 40	S3301



## SureFood® GMO

SureFood® PREP	
Basic	S1052
Advanced	S1053
Add-On (Use of 2 g sample; Additional to SureFood® PREP Basic)	S1055
Extraction control detection kit	
SureFast® Animal+Plant Control 3plex	F4053
SureFood® GMO	
Plant PLUS	S2049
Plant 4plex Corn/Soya/Canola/Cotton	S2156
Plant 4plex Corn/Soya/Canola + IAC	S2158
SureFood® GMO SCREEN – qualitative real-time PCR	
35S/NOS/FMV	S2026
4plex 35S/NOS/FMV + IAC	S2126
4plex BAR/NPTII/PAT/CTP2:CP4 EPSPS	S2127
CaMV	S2027
P35S:BAR Rice	S2022
4plex BAR/PAT/CryIAb/CTP2:CP4 EPSPS	S2128

Laboratory reference material	
SureFood® GMO Plant Reference Sample (0.1 % soya, maize, canola, rice)	S2150

SureFood® GMO ID – qualitative real-time PCR	
MIR162 Corn	S2035
MON863 Corn	S2037
MS8 Canola	S2062
Bt63 Rice	S2024
Roundup Ready Soya	S2030
RR2Y Soya	S2034
A2704-12 Soya	S2057
4plex Soya I <sup>1</sup>	S2161
4plex Soya II <sup>2</sup>	S2162
4plex Canola I <sup>3</sup>	S2166
4plex Canola II <sup>4</sup>	S2167
4plex Corn I <sup>5</sup>	S2170

SureFood® GMO QUANT – quantitative real-time PCR	
Bt176 Corn	S2015
Bt11 Corn	S2016
T25 Corn	S2017
MON810 Corn	S2019
35S Corn	S2020
NK603 Corn	S2050
MON863 Corn	S2051
MIR162 Corn	S2135
GA21 Corn	S2054
Roundup Ready Soya	S2014
35S Soya	S2028
RR2Y Soya	S2029
GT73 Canola	S2061
TC1507 Corn	S2081
MON89034 Corn	S2071

<sup>1</sup> MON87708+CV127/DP305423/MON87701/MON87769

<sup>2</sup> RR-Soya/RR-2Yield Soya/A2704-12/A5547-127

<sup>3</sup> MS8/6GT73/T45 Canola

<sup>4</sup> MON88302/DPO734906/RF3 Canola

<sup>5</sup> MON810/TC1507/NK603/MON89034



## SureFood® ANIMAL

SureFood® PREP	
Basic	S1052
Extraction control detection kit	
SureFast® Animal+Plant Control 3plex	F4053
SureFood® ANIMAL ID – qualitative real-time PCR	
4plex Beef/Sheep/Goat + IAAC	S6121
4plex Pork/Chicken/Turkey + IAAC	S6123
4plex Beef/Horse/Pork + IAAC	S6126
4plex Camel/Horse/Donkey + IAAC	S6131
4plex Bison/Water Buffalo/Kangaroo + IAAC	S6132 <span style="background-color: yellow;">New</span>
3plex Rat/Mouse + IAAC	S6127 <span style="background-color: yellow;">New</span>
Beef IAAC	S6113
Horse IAAC	S6118
Horse & Donkey IAAC	S6119
Pork SENS PLUS	S6017
Pork IAAC	S6114
Water Buffalo IAAC	S6117
Chicken IAAC	S6115
Turkey IAAC	S6116
Cat & Dog IAAC	S6112
Rabbit IAAC	S6120
Poultry IAAC	S6125
Water Buffalo/Beef + IAAC	S6130

IAAC = Internal Amplification and Animal Control

SureFood® ANIMAL QUANT – quantitative real-time PCR	
Beef	S1010
Equus	S1016
Pork	S1011
Chicken	S1014
Turkey	S1015

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
Katsuwonus pelamis IAAC	S6314

FISH ID kits contain 50 reactions and are R&D versions



## SureFast® Microbiology

SureFast® – qualitative real-time PCR	
Bacillus cereus group PLUS	F5126
Emetic Bacillus cereus PLUS	F5127
Campylobacter PLUS ( <i>C. jejuni</i> , <i>C. lari</i> , <i>C. coli</i> )	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
EHEC/EPEC 4plex (stx1, stx2, ipaH, E.coli/Shigella)	F5128
Histomonas meleagridis ONE	F5213
Listeria Screening PLUS	F5117
Listeria monocytogenes PLUS	F5113
ORT PLUS ( <i>Ornithobacterium rhinotracheale</i> )	F5164
Salmonella PLUS*	F5111
Salmonella ONE**	F5211
Salmonella Species/Enteritidis/Typhimurium 4plex	F5166
Staphylococcus aureus PLUS	F5116
STEC Screening PLUS	F5105
STEC 4plex (O157, stx1, stx2, eae)	F5165
Vibrio 4 plex ( <i>V. cholerae</i> , <i>V. parahaemolyticus</i> , <i>V. vulnificus</i> + IAC)	F5161
Yersinia enterocolitica PLUS	F5124
Yersinia 3plex ( <i>Y. pseudotuberculosis</i> and <i>Y. enterocolitica</i> )	F5132 <span style="background-color: yellow;">New</span>
Foodborne Pathogens 4plex	F5175
MRSA	F7117
Escherichia coli Serotype I (O26, O103, O121)	F5167
Escherichia coli Serotype II (O45, O111, O145)	F5168

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
SARS-CoV-2 PLUS	F7110 <span style="background-color: yellow;">New</span>

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 PLUS is AOAC-RI (041103) certified.  
 \*\* SureFood® Salmonella ONE is MicroVal (2014LR43) and AOAC-RI (081803) certified.



## DNA preparation

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

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

### Real-time PCR thermocycler

The SureFood®/SureFast® kits are suitable for common real-time PCR devices.

#### 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)

### Semi-automated DNA preparation – SureFast® Mag PREP Food (Art. No. F1060) **New**

For an efficient and semi-automated isolation of animal and plant DNA from food and feed as well as bacterial DNA from bacterial culture enrichments using the TANBead Maelstrom™ 8 Autostage (ZMAL8).

The TANBead Maelstrom™ 8 Autostage is a fully automated operating instrument for DNA purification and isolation using magnetic beads. The SureFast® Mag PREP Food is a pre-filled reagent kit that can be easily loaded into the TANBead

Maelstrom 8 Autostage and handled with minimum hands-on-time.



## Accessories

Product	Description	No. of Tests / Amount	Code No.
<b>Accessories</b>			
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
SureTaq Hotstart Polymerase	Taq-Polymerase for 0.1 µL/reaction	100 reactions	F4005
SureTaq Hotstart Polymerase II	Taq-Polymerase for 0.7 µL/reaction	100 reactions	F4003
SureCycle	Temperature verification control for the thermocycler	260 reactions	F4001

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