



# SureFood®/SureFast® real-time PCR kits

Product Overview – 08/2020

- 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	
Celery	S3605
Gluten	S3606
Soya	S3601
Nuts and similar	
Almond	S3604
Brazil nut	S3617
Cashew	S3615
Hazelnut	S3602
Macadamia	S3616
Peanut	S3603
Pecan	S3618
Pistachio	S3614
Walnut	S3607
Fish/Crustacean/Seafood	
Crustaceans	S3612
Fish	S3610
Molluscs*	S3613

\* Qualitative only

Oil plants	
Lupin	S3611
Mustard	S3609
Sesame	S3608
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
4plex Cereals (wheat/barley/rye)	S7006
Oat	S7004
Buckwheat	S7005

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	
4plex Corn I <sup>5</sup>	S2170
DAS-40278-9 Corn	S2140 <b>New</b>
MIR162 Corn	S2035
MON863 Corn	S2037
4plex Soya I <sup>1</sup>	S2161
4plex Soya II <sup>2</sup>	S2162
A2704-12 Soya	S2057
Roundup Ready Soya	S2030
RR2Y Soya	S2034
MS8 Canola	S2062
4plex Canola I <sup>3</sup>	S2166
4plex Canola II <sup>4</sup>	S2167
Bt63 Rice	S2024
SureFood® GMO QUANT – quantitative real-time PCR	
Bt176 Corn	S2015
Bt11 Corn	S2016
GA21 Corn	S2054
MIR162 Corn	S2135
MON810 Corn	S2019
MON863 Corn	S2051
MON89034 Corn	S2071
NK603 Corn	S2050
TC1507 Corn	S2081
T25 Corn	S2017
35S Corn	S2020
Roundup Ready Soya	S2014
RR2Y Soya	S2029
35S Soya	S2028
GT73 Canola	S2061

<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
Cat & Dog IAAC	S6112
Chicken IAAC	S6115
Horse IAAC	S6118
Horse & Donkey IAAC	S6119
Pork SENS PLUS	S6017
Pork IAAC	S6114
Poultry IAAC	S6125
Rabbit IAAC	S6120
Turkey IAAC	S6116
Water Buffalo IAAC	S6117
Water Buffalo/Beef + IAAC	S6130

IAAC = Internal Amplification and Animal Control

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

SureFood® FISH ID – qualitative real-time PCR	
Gadus chalcogrammus IAAC (alaska pollock)	S6313
Gadus macrocephalus IAAC (pacific cod)	S6308
Gadus morhua IAAC (atlantic cod)	S6310
Halibut IAAC 3plex (black and white halibut)	S6201
Katsuwonus pelamis IAAC	S6314
Melanogrammus aeglefinus IAAC (haddock)	S6307
Merlangius merlangus IAAC (whiting)	S6312
Merluccius merluccius (hake)	S6311
Oncorhynchus gorbuscha IAAC (pink/humpback salmon)	S6303
Oncorhynchus mykiss IAAC (rainbow trout)	S6302
Oncorhynchus nerka IAAC (red salmon)	S6304
Oncorhynchus tshawytscha IAAC (chinook salmon)	S6301
Pollachius virens IAAC (pollock/saithe)	S6309
Salmo trutta IAAC (trout)	S6305
Salmo salar IAAC (atlantic salmon)	S6306

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
Escherichia coli Serotype I (O26, O103, O121)	F5167
Escherichia coli Serotype II (O45, O111, O145)	F5168
EHEC/EPEC 4plex (stx1, stx 2, ipaH, E.coli/Shigella)	F5128
Foodborne Pathogens 4plex ***	F5175
Histomonas meleagridis ONE	F5213
Listeria Screening PLUS	F5117
Listeria monocytogenes PLUS	F5113
MRSA	F7117
ORT PLUS (Ornithobacterium rhinotracheale)	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

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

SureFast® real-time Reverse Transcriptase PCR (qualitative)	
Hepatitis A PLUS	F7125
Hepatitis E PLUS	F7142
Influenza A PLUS	F7103
Influenza H5/H7/H9 4plex	F7139
Norovirus PLUS	F7001
Norovirus/Hepatitis A 3plex	F7124
SARS-CoV-2 PLUS	F7110 <span style="background-color: yellow;">New</span>

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

\* SureFast® Salmonella PLUS is AOAC-RI (041103) certified.  
 \*\* SureFast® Salmonella ONE is MicroVal (2014LR43) and AOAC-RI (081803) certified.  
 \*\*\* stx1/stx2/eae; *L. monocytogenes*; *Salmonella* spp.





## DNA preparation

### SureFood®/SureFast® PREP nucleic acid extraction kits – spin filters:

- 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.

### Semi-automated nucleic acid preparation – magnetic beads

The TANBead Maelstrom™ 8 Autostage is a fully automated operating instrument for DNA/RNA preparation using magnetic beads.

The SureFast® Mag PREP kits are pre-filled reagent kits which can be easily loaded into the TANBead Maelstrom 8 Autostage and handled with minimum hands-on-time.

#### Semi-automated nucleic acid preparation

SureFast® Mag PREP Food kit	F1060	New
SureFast® Mag PREP Pathogens	F1062	New
TANBead Maelstrom™ 8 Autostage	ZMAL8	New



## Real-time PCR thermocycler

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

- 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)

## 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.