

Real-time PCR kits

SureFood® & SureFast® product overview – 08/2021



SureFood® ALLERGEN/Plant



SureFood® GMO



SureFood® Animal ID



SureFast® Microbiology

More information:



<https://r-b.io/rtpcr>

SureFood® & SureFast® product overview



SureFood® ALLERGEN/Plant

DNA preparation	
SureFast® Mag PREP Food	F1060
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
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	S3620
SureFood® – qualitative real-time PCR	
Apricot	S7007
Rice	S6103
Laboratory reference material for quantitative real-time PCR	
SureFood® QUANTARD Allergen 40	S3301

* Qualitative only



SureFood® GMO

DNA preparation	
SureFast® Mag PREP Food	F1060
SureFood® PREP Basic	S1052
SureFood® PREP Advanced	S1053
SureFood® PREP Add-On (Verwendung von 2 g Probe; Zusatz zu 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	
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
SureFood® GMO ID – qualitative real-time PCR	
Bt63 Rice	S2024
DAS-40278-9 Corn	S2140
4plex Corn I ⁵	S2170
4plex Soya I ¹	S2161
4plex Soya II ²	S2162
4plex Canola I ³	S2166
4plex Canola II ⁴	S2167
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
Laboratory reference material	
SureFood® GMO Plant Reference Sample (0,1 % soya, maize, canola, rice)	S2150

¹ MON87708+CV127/DP305423/MON87701/MON87769

² RR-Soya/RR-2Yield Soya/A2704-12/A5547-127

³ MS8/6GT73/T45 Canola

⁴ MON88302/DPO734906/RF3 Canola

⁵ MON810/TC1507/NK603/MON89034



SureFood® Animal

DNA preparation	
SureFast® Mag PREP Food	F1060
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
3plex Rat/Mouse + IAAC	S6127
Water Buffalo/Beef + IAAC	S6130
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
SureFood® ANIMAL QUANT – quantitative real-time PCR	
Beef	S1010
Chicken	S1014
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 gorboscha 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



SureFast® Microbiology

DNA preparation	
SureFast® PREP Aqua	F1023
SureFast® PREP Bacteria	F1021
SureFast® PREP DNA / RNA Virus	F1051
SureFast® PREP Salmonella	F1007
SureFast® Speed PREP	F1054
SureFast® Mag PREP Food	F1060
SureFast® Mag PREP Pathogens	F1062
SureFast® – qualitative real-time PCR	
Bacillus cereus group PLUS	F5126
Emetic Bacillus cereus PLUS	F5127
Campylobacter 4plex (<i>C. jejuni</i> , <i>C. lari</i> , <i>C. coli</i>)	F5170 New
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 (<i>stx1</i> , <i>stx2</i> , <i>ipaH</i> , <i>E.coli/Shigella</i>)	F5128
Foodborne Pathogens 4plex *	F5175
Listeria Screening PLUS	F5117
Listeria monocytogenes PLUS	F5113
MRSA	F7117
Salmonella PLUS AOAC-RI 041103	F5111
Salmonella ONE MicroVal 2014LR43 ; AOAC-RI 081803	F5211
Salmonella Species/Enteritidis/Typhimurium 4plex	F5166
Staphylococcus aureus PLUS	F5116
STEC Screening PLUS	F5105
STEC 4plex ONE (O157, <i>stx1</i> , <i>stx2</i> , <i>eae</i>)	F5265
Vibrio 4 plex	F5161
(<i>V. cholerae</i> , <i>V. parahaemolyticus</i> , <i>V. vulnificus</i> + IAC)	
Yersinia 3plex (<i>Y. pseudotuberculosis</i> and <i>Y. enterocolitica</i>)	F5132
SureFast® real-time Reverse Transcriptase PCR (qualitativ)	
Hepatitis A PLUS	F7125
Hepatitis E PLUS	F7142
Norovirus/Hepatitis A 3plex	F7124
SARS-CoV-2 PLUS AOAC 022102	F7110
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

* *stx1/stx2/eae*; *L. monocytogenes*; *Salmonella* spp.

Real-time PCR kits

DNA preparation

Nucleic acid preparation without purification		Nucleic acid preparation with purification	
Manual nucleic acid preparation		Semi-automated	
SureFast® ONE system	Speed Prep system	SureFood® PREP SureFast® PREP	SureFast® Mag PREP
Short incubation step – lysate ready-to-use for qPCR		Spin filter based	Magnetic bead based
Lysis buffer in qPCR kit included	Extraction kit only containing lysis buffer		
Fast & Easy extraction method for enriched samples		Matrix optimized methods for highly processed food & feed samples	Convenient & flexible walk away solution

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	Art. No.
Accessories			
SureCC Color Compensation Kit I	Color Compensation for multiplex application of SureFood® kits on LC480	ausreichend für 3 Kalibrierungsläufe	F4009
SureCC Color Compensation Kit II	Color Compensation for multiplex application of SureFood® kits on LC2.0	ausreichend für 3 Kalibrierungsläufe	F4010
SureTaq Hotstart Polymerase	Taq-Polymerase for 0.1 µL/reaction	100 Reaktionen	F4005
SureTaq Hotstart Polymerase II	Taq-Polymerase for 0.7 µL/reaction	100 Reaktionen	F4003
SureCycle®	Temperature verification control for the thermocycler	260 Reaktionen	F4001

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