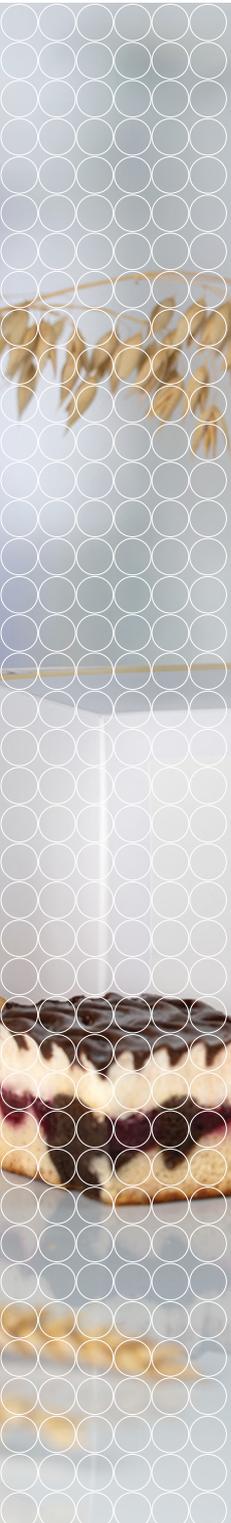


# Product Catalogue 2026

## Microbiology



# Microbiology/hygiene control



## Analysis for microbiological food safety

Rapid test formats for reliable microbiological analysis in food and production areas for highly specific, sensitive and fast test combinations for use with a wide range of applications.

### Product testing

All kinds of commodities are potentially at risk of contamination by spoiling microorganisms and pathogens. Therefore, R-Biopharm AG offers reliable kits for the analysis of meat and meat products, dairy products, egg and egg products, vegetables, fruits, herbs and spices, beverages, cereals and cereal products as well as prepared meals.

Well-established methods are used for both on-site testing, the classical microbiological testing or for specific detection by real-time PCR or ELISA are offered.

### Production surrounding area and condition

Quality and safety standards are considered when minimizing the risk of product contamination.

Important characteristics for tests used in efficient hygiene and cleaning control are:

- High sensitivity
- Rapidness
- Repeatability

Reliability of results is important for immediate and long-term decisions.

## Compact Dry

- Dry nutrient media for detection of pathogens and microorganisms
- Enumeration of microorganisms for cleaning control

## RIDASCREEN®

ELISA for the detection of bacterial toxins



## SureFast®

Real-time PCR for screening/species identification of food and drinking water pathogens



## GEN-IAL®

Real-time PCR for beverage spoilage yeast and bacteria



## RIDA® CHECK

- Detection of protein residues
- Indicator test for rapid cleaning control



## Lumitester SMART with LuciPac™ A3

Sensitive AMP/ATP or AMP/ADP/ATP detection with software based evaluation





Microbiology/hygiene control

	RIDASCREEN®	Compact Dry	SureFast®/ GEN-IAL®	RIDA®CHECK + LuciPac™
	ELISA	Dry medium plates	DNA prep. + real-time PCR	Swab tests
<b>Bacterial toxins</b>				
Staphylococcal enterotoxin (Toxins A - E)	●			
Staphylococcal enterotoxin (Total)	●**			
<b>Pathogens</b>				
<i>Bacillus cereus</i> spp.		●*	●	
emetic <i>Bacillus cereus</i>			●	
<i>Campylobacter</i>			●	
<i>Clostridium botulinum</i> , <i>C. estertheticum</i> , <i>C. perfringens</i>			●	
<i>Cronobacter</i> spp., <i>Cronobacter sakazakii</i>			●	
EHEC/EPEC/STEC Screening			●	
<i>Legionella</i> spp., <i>Legionella pneumophila</i>			●	
<i>Listeria monocytogenes</i>		●*	●	
MRSA			●	
Parasitic Water Panel 4plex			●	
<i>Pseudomonas aeruginosa</i>		●*	●	
<i>Salmonella</i>		●*	●*	
<i>Salmonella</i> Serotype Enteritidis & Typhimurium			●	
<i>Staphylococcus aureus</i>		●*	●	
<i>Vibrio</i> spp., <i>V. parahaemolyticus</i> , <i>V. cholerae</i> , <i>V. vulnificus</i>		●	●	
<i>Yersinia enterocolitica</i>			●	
<b>Indicator organism</b>				
Coliform bacteria		●*		
<i>Enterobacteriaceae</i>		●*	●	
<i>Enterococcus</i>		●*		
<i>Escherichia coli</i>		●*	●	
<i>Listeria</i> spp.		●	●	
<i>Staphylococcus aureus</i>		●*	●	
Total count		●*		
Total count in water samples		●		
Yeasts & Molds		●*		
<b>Virus</b>				
Hepatitis A			●	
Hepatitis E			●	
Norovirus I & II			●	
SARS-CoV-2			●	
<b>Beverage spoilers</b>				
Bacteria screening & Bacteria species			●	
Yeasts screening & Yeast species			●	
Biofilm formation species			●	
<b>Rapid hygiene monitoring</b>				
AMP/ADP/ATP				●
Protein test				●
<b>Accessories</b>	●	●		

\* Officially validated test (AFNOR/MicroVal/AOAC-PTM).

\*\* Officially validated by the European Reference Laboratory for Coagulase positive Staphylococci.



Microbiology/hygiene control

Culture medium systems for colony counting and pathogen detection in food or surface samples

Product	Description	No. of tests/amount	Art. No.
<b>Compact Dry</b>			
<b>Nutrient pads</b>			
Compact Dry AQ	Test plate with nutrient pad for quantitative detection of heterotrophic water bacteria	100 determinations	HS9541
Compact Dry BC MicroVal 2019LR87; AOAC-PTM 092201	Test plate with nutrient pad for quantitative detection of <i>Bacillus cereus</i>	100 determinations	HS9721
Compact Dry CF MicroVal 2008LR03; NordVal 35; AOAC-PTM 110401	Test plate with nutrient pad for quantitative detection of coliforms	100 determinations	HS8791
Compact Dry EC MicroVal 2008LR04; MicroVal 2008LR05; NordVal 36; AOAC-PTM 110402	Test plate with nutrient pad for quantitative detection of <i>E. coli</i> and coliforms	100 determinations	HS8781
Compact Dry ETB MicroVal 2008LR02; NordVal 34; AOAC-PTM 012001	Test plate with nutrient pad for quantitative detection of <i>Enterobacteriaceae</i>	100 determinations	HS9431
Compact Dry ETC MicroVal 2014LR48; NordVal 47; AOAC-PTM 111902	Test plate with nutrient pad for quantitative detection of <i>Enterococci</i>	100 determinations	HS9461
Compact Dry LM MicroVal 2020LR91a; MicroVal 2020LR91b	Test plate with nutrient pad for quantitative detection of <i>Listeria monocytogenes</i>	100 determinations	HS9901
Compact Dry LS	Test plate with nutrient pad for quantitative detection of <i>Listeria</i> spp.	100 determinations	HS8811
Compact Dry PA MicroVal 2017LR66	Test plate with nutrient pad for quantitative detection of <i>Pseudomonas aeruginosa</i>	100 determinations	HS9491
Compact Dry SL MicroVal 2022LR110	Test plate with nutrient pad for detection of <i>Salmonella</i>	100 determinations	HS9401
Compact Dry TC MicroVal 2007LR01; NordVal 33; AOAC-PTM 010404	Test plate with nutrient pad for detection of total aerobic count	100 determinations	HS8771
Compact Dry VP	Test plate with nutrient pad for quantitative detection of <i>Vibrio parahaemolyticus</i> and <i>Vibrio</i> spp.	100 determinations	HS8821
Compact Dry X-SA MicroVal 2008LR14; NordVal 42; AOAC-PTM 081001	Test plate with nutrient pad for quantitative detection of <i>Staphylococcus aureus</i>	100 determinations	HS9621
Compact Dry YM MicroVal RQA2008LR10; NordVal 43; AOAC-PTM 100401	Test plate with nutrient pad for quantitative detection of yeast and mold	100 determinations	HS8801
Compact Dry YMR MicroVal 2016LR61; NordVal 50; AOAC-PTM 092002	Test plate with nutrient pad for rapid quantitative detection of yeast and mold in 48 - 72 h	100 determinations	HS9801
<b>Accessories</b>			
RIDA® 0.9 % NaCl, sterile	1 mL sterile sodium chloride solution	150 pieces (1 mL each)	Z0301
Promedia ST-25	Sampling device (sterile swab in 10 mL sterile PBS buffer)	10 pieces	Z0302
Dilution Rack-PBS	Dilution set for preparation of 10-fold dilution series (9 mL PBS buffer per well) – sterile	128 pieces	ZDP1000888
Opener for Dilution Rack	For sterile opening of Dilution Rack	1 piece	ZOP1000887
Frame – 100 cm²	Frame for definition of 100 cm² for swab sampling	5 pieces	ZFR1600000





## Pathogens &amp; bacterial toxins

Product	Description	No. of tests/amount	Art. No.
<b>DNA preparation</b>			
SureFast® PREP Bacteria	Preparation of bacteria DNA from enrichments	100 preparations	F1021
SureFast® Speed PREP	Speed preparation of bacteria- and parasites-DNA from enrichment cultures and tissue samples	100 preparations	F1054
SureFast® Mag PREP Food	For DNA extraction of animal and plant DNA from food and feed as well as bacterial DNA from bacterial culture enrichments. For the use in combination with the TANBead Maelstrom™ 4800	96 preparations	F1060
SureFast® Mag PREP Pathogen	For DNA extraction of RNA/ DNA from viruses. For the use in combination with the TANBead Maelstrom™ 4800 (Art. No. ZMAL48)	96 preparations	F1062
<b>Bacillus cereus</b>			
<b>Qualitative real-time PCR</b>			
SureFast® Bacillus cereus group PLUS	Qualitative DNA detection Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5126
SureFast® Emetic Bacillus cereus PLUS	Qualitative DNA detection Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5127
<b>Campylobacter</b>			
<b>Qualitative real-time PCR</b>			
SureFast® Campylobacter 4plex	Qualitative detection and differentiation of specific DNA sequences of <i>Campylobacter jejuni</i> , <i>Campylobacter lari</i> and <i>Campylobacter coli</i> Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5170
<b>Clostridium</b>			
<b>Qualitative real-time PCR</b>			
SureFast® Clostridium botulinum Screening PLUS	Qualitative DNA detection Detection of <i>C. botulinum</i> toxin groups A, B, E, F Detection limit: ≤ 50 DNA copies, 1 cfu before enrichment	100 reactions	F5110
SureFast® Clostridium estertheticum PLUS	Qualitative DNA detection Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5160
SureFast® Clostridium perfringens PLUS	Qualitative DNA detection Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5123
<b>Cronobacter</b>			
<b>Qualitative real-time PCR</b>			
SureFast® Cronobacter PLUS	Qualitative DNA detection Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5114
SureFast® Cronobacter sakazakii PLUS	Qualitative DNA detection Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5115
<b>Escherichia coli</b>			
<b>Qualitative real-time PCR</b>			
SureFast® Escherichia coli PLUS	Qualitative DNA detection Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5157
SureFast® EHEC/EPEC 4plex	Qualitative DNA detection of virulence genes <i>stx1</i> , <i>stx2</i> , <i>eae</i> , <i>ipaH</i> ( <i>E. coli</i> / <i>Shigella</i> spp. differentiation) Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5128
SureFast® STEC Screening PLUS	Qualitative DNA detection of virulence factors <i>stx1</i> and <i>stx2</i> Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5105
SureFast® STEC 4plex ONE	Qualitative detection and differentiation of <i>Escherichia coli</i> virulence factors <i>stx1</i> (subtype a-d), <i>stx2</i> (subtype a-g), <i>eae</i> and the <i>Escherichia coli</i> Serotype O157; kit includes DNA preparation Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions/ 100 preparations	F5265
SureFast® Escherichia coli Serotype I 4plex	Qualitative DNA detection of serotypes O26, O103, O121 Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5167
SureFast® Escherichia coli Serotype II 4plex	Qualitative DNA detection of serotypes O45, O111, O145 Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5168





Pathogens & bacterial toxins

Product	Description	No. of tests/amount	Art. No.
<b>Listeria</b>			
<b>Qualitative real-time PCR</b>			
SureFast® Listeria 3plex ONE	Qualitative DNA detection and differentiation of <i>Listeria</i> spp. und <i>Listeria monocytogenes</i> ; kit includes DNA preparation Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions/ 100 preparations	F5217
SureFast® Listeria Screening PLUS	Qualitative DNA detection Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5117
SureFast® Listeria monocytogenes PLUS	Qualitative DNA detection Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5113
<b>Multiplex</b>			
<b>Qualitative real-time PCR</b>			
SureFast® Foodborne Pathogens 4plex	Qualitative detection of <i>Escherichia coli</i> virulence factors ( <i>stx1</i> [subtype a-d], <i>stx2</i> [subtype a-g]), <i>Listeria monocytogenes</i> and <i>Salmonella</i> spp. Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5175
SureFast® Fecal Screen 4plex	Qualitative DNA detection and differentiation of <i>E. coli</i> , <i>Enterococci</i> , <i>Enterobacteriaceae</i> + IAC	100 reactions	F5504
SureFast® Enterobacteriaceae 4plex	Qualitative DNA detection and differentiation of <i>Enterobacteriaceae</i> , <i>Salmonella</i> and <i>Cronobacter</i> + IAC	100 reactions	F5180
<b>Salmonella</b>			
<b>Qualitative real-time PCR</b>			
SureFast® Salmonella PLUS AOAC-PTM 041103	Qualitative DNA detection Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5111
SureFast® Salmonella Species/Enteritidis/Typhimurium 4plex	Qualitative detection of <i>Salmonella</i> species <i>S. Enteritidis</i> and <i>S. Typhimurium</i> Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5166
<b>Qualitative real-time PCR and DNA preparation</b>			
SureFast® Salmonella ONE MicroVal 2014LR43; ISO 16140-2; AOAC-PTM 081803	Qualitative DNA detection Kit includes DNA preparation Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions/ 100 preparations	F5211
<b>Staphylococcus</b>			
<b>ELISA microtiter plates</b>			
RIDASCREEN® SET A, B, C, D, E	Enzyme immunoassay for identification of <i>Staphylococcus</i> enterotoxins A, B, C, D and E in food and bacterial cultures Detection limit: 0.25 ng/mL toxin (0.375 ng/g)	12 determinations Incubation time: 2 h 45 min	R4101
RIDASCREEN® SET Total	Enzyme immunoassay for combined detection of <i>Staphylococcus</i> enterotoxins (A - E) in food and bacterial cultures Detection limit: 0.25 ng/mL toxin (0.375 ng/g)	96 determinations Incubation time: 2 h 45 min	R4105
<b>Qualitative real-time PCR</b>			
SureFast® Staphylococcus aureus PLUS	Qualitative DNA detection Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5116





## Microbiology/hygiene control

## Pathogens &amp; bacterial toxins

Product	Description	No. of tests/amount	Art. No.
<b>MRSA</b>			
Qualitative real-time PCR			
SureFast® MRSA 4plex	FAM: <i>SCCmec/orfX</i> ROX: <i>Staphylococcus aureus</i> Cy5: <i>mecA/mecC</i> Detection limit: ≤ 5 DNA copies	100 reactions	F7117
<b>Vibrio</b>			
Qualitative real-time PCR			
SureFast® Vibrio 4plex	Qualitative DNA detection ( <i>V. cholerae</i> , <i>V. parahaemolyticus</i> , <i>V. vulnificus</i> + IAC) Detection limit: ≤ 5 DNA copies, 1 cfu before enrichment	100 reactions	F5161
<b>Yersinia</b>			
Qualitative real-time PCR			
SureFast® Yersinia 3plex	Qualitative DNA detection and differentiation of specific <i>ail</i> gene DNA sequences of <i>Yersinia pseudotuberculosis</i> and <i>Yersinia enterocolitica</i> Detection limit: ≤ 5 DNA copies	100 reactions	F5132



## Viruses

<b>DNA/RNA preparation</b>			
SureFast® PREP DNA/RNA Virus	DNA/RNA preparation of viruses	100 preparations	F1051
SureFast® Mag PREP Pathogens	For DNA extraction of RNA/ DNA from viruses. For the use in combination with the TANBead Maelstrom™ 4800 (Art. No. ZMAL48)	96 preparations	F1062
<b>Real-time reverse transcriptase PCR (qualitative detection)</b>			
SureFast® Norovirus/Hepatitis A 3plex	Qualitative detection of Norovirus and Hepatitis A Detection limit: ≤ 25 RNA copies	100 reactions	F7124
SureFast® Hepatitis A PLUS	Qualitative detection of Hepatitis A Detection limit: ≤ 25 RNA copies	100 reactions	F7125
SureFast® Hepatitis E PLUS	Qualitative detection of Hepatitis E Detection limit: ≤ 25 RNA copies	100 reactions	F7142
SureFast® SARS-CoV-2 PLUS	Qualitative detection of novel coronavirus (SARS-CoV-2) RNA Detection limit: ≤ 25 RNA copies	100 reactions	F7110





## Test systems for cleaning control

Product	Description	No. of tests/amount	Art. No.
<b>AMP/ATP or AMP/ADP/ATP detection</b> <b>Bioluminescence</b>			
LuciPac™ A3 Surface AOAC-PTM 051901	Test system for hygiene control on surfaces (based on detection of AMP/ADP/ATP); reaction tubes with integrated swab for use with Lumitester PD-30 and Lumitester SMART	100 reactions	ZLP1003667
<b>Protein tests</b> <b>Swab tests</b>			
RIDA®CHECK	Indicator test, ready-to-use swabs for the detection of protein residues on surfaces	100 determinations	R1091

## Water analysis

<b>DNA preparation</b>			
SureFast® PREP Aqua	DNA preparation of bacterial cells from water samples	100 preparations	F1023
<b>Legionella</b> <b>Qualitative real-time PCR</b>			
SureFast® Legionella Screen PLUS	Qualitative DNA detection of <i>Legionella</i> spp. Detection limit: ≤ 5 DNA copies	100 reactions	F5502
SureFast® Legionella pneumophila PLUS	Qualitative DNA detection of <i>Legionella pneumophila</i> Detection limit: ≤ 5 DNA copies	100 reactions	F5501
SureFast® Legionella 3plex	Qualitative DNA detection of <i>Legionella</i> spp. and <i>Legionella pneumophila</i> Detection limit: ≤ 5 DNA copies	100 reactions	F5505
<b>Qualitative real-time PCR</b>			
SureFast® Parasitic Water Panel 4plex	Qualitative DNA detection of <i>Giardia intestinalis</i> , <i>Entamoeba histolytica</i> und <i>Cryptosporidium</i> spp. Detection limit: ≤ 5 DNA copies	100 reactions	F5506
SureFast® Enterobacteriaceae Screening PLUS	Qualitative DNA detection of <i>Enterobacteriaceae</i> Detection limit: ≤ 5 DNA copies	100 reactions	F5507
SureFast® Pseudomonas aeruginosa PLUS	Qualitative DNA detection of <i>Pseudomonas aeruginosa</i> , Detection limit: ≤ 5 DNA copies	100 reactions	F5503
<b>AMP/ATP or AMP/ADP/ATP detection</b> <b>Bioluminescence</b>			
LuciPac™ A3 Water	Test system for hygiene control in liquid samples (based on detection of AMP/ADP/ATP); reaction tubes with integrated sample stick for use with Lumitester PD-30 and Lumitester SMART	100 reactions	ZLA1003672

\* Find more products for microbiological water analysis on page 93 under "Culture medium systems for colony counting and pathogen detection".





## Beverage analysis

Product	Description	No. of tests/amount	Art. No.
<b>Beer</b>			
<b>DNA-preparation</b>			
GEN-IAL® Simplex® Easy DNA	DNA preparation of beverage samples	100 preparations	Q001
GEN-IAL® QuickGEN Sample Preparation Centrifugation	DNA preparation of beverage samples, centrifugation	100 preparations	Q002
GEN-IAL® QuickGEN Sample Preparation Filtration	DNA preparation of beverage samples, filtration	100 preparations	Q004
GEN-IAL® QuickGEN Yeast Sample Preparation Centrifugation	DNA preparation of beverage samples mainly containing yeast	100 preparations	Q005
GEN-IAL® PolyBIND®	Polymer for sampling	50 preparations	Q008
<b>Qualitative multiplex real-time PCR</b>			
GEN-IAL® QuickGEN 5plex high	DNA screening and differentiation of beer spoiling bacteria and yeasts ( <i>Lactobacillus</i> , <i>Pediococcus</i> / <i>Megasphaera</i> , <i>Pectinatus</i> / <i>Saccharomyces cerevisiae</i> var. <i>diastaticus</i> / <i>Dekkera</i> spp.)	48 reactions	Q061
GEN-IAL® QuickGEN P1 Screening	DNA screening and differentiation of beer spoiling bacteria and yeasts ( <i>Lactobacillus</i> , <i>Pediococcus</i> / <i>Megasphaera</i> , <i>Pectinatus</i> / <i>Dekkera</i> spp.)	48 reactions high	Q091
		48 reactions low	Q092
		48 reactions white	Q093
		48 reactions MyGO	Q094
GEN-IAL® QuickGEN P1 and <i>S. diastaticus</i> Screening	DNA screening and differentiation of beer spoiling bacteria ( <i>Lactobacillus</i> , <i>Pediococcus</i> / <i>Megasphaera</i> , <i>Pectinatus</i> ) and <i>Saccharomyces cerevisiae</i> var. <i>diastaticus</i>	48 reactions high	Q041
		48 reactions low	Q042
		48 reactions white	Q043
		48 reactions MyGO	Q044
		50 reactions liquid	Q045



Q\*\*1 High profile: ABI 7500, Agilent MX3005P, ABI QuantStudio 5

Q\*\*2 Low profile: MyGo Pro (2- and 3plex kits)

Q\*\*3 White strips: Bio-Rad CFX96, LightCycler® 480

Q\*\*4 Low profile: MyGoPro (4plex kits)

Q\*\*5 Liquid reagents without precoated strips

Other block cycler devices may be suitable as well. Information is available on request.

Further parameters/species detection kits are available on request. Please check the website for this.



## Beverage analysis

Product	Description	No. of tests/amount	Art. No.
<b>Beer</b>			
<b>Qualitative multiplex real-time PCR</b>			
GEN-IAL® QuickGEN P1 Screening and Hop resistance	DNA screening and differentiation of beer spoiling bacteria and hop resistance genes	48 reactions high 48 reactions low 48 reactions white 48 reactions MyGO 50 reactions	Q051 Q052 Q053 Q054 Q055
GEN-IAL® QuickGEN Beer yeast and bacteria differentiation	Multiplex detection and identification of beverage spoiling bacteria and yeasts <i>Enterobacteriaceae</i> , <i>Lactobacillus</i> / <i>Pediococcus</i> , <i>Pediococcus</i> , wild yeast 1 and 2 (see page 101), bottom fermented yeast, top fermented yeast, Acetic acid bacteria	96 reactions/24 samples high 96 reactions/24 samples low 96 reactions/24 samples white	Q071 Q072 Q073
GEN-IAL® QuickGEN Beer Differentiation	Multiplex detection (30 species) and identification (19 species) of relevant beer spoilers <i>Enterobacteriaceae</i> , <i>P. anomala</i> ( <i>Wickerhamomyces anomalus</i> ), <i>S. cerevisiae</i> var. <i>Diastaticus</i> , <i>P. damnosus</i> , <i>P. acidilactici</i> / <i>pentosaceus/parvulus/inopinatus</i> , <i>P. claussenii</i> , <i>Pectinatus</i> spp., <i>Megasphaera</i> spp., <i>L. rossiae</i> , <i>L. brevis</i> / <i>L. parabrevis</i> / <i>L. brevisimilis</i> , <i>L. lindneri</i> , <i>L. casei</i> / <i>L. paracasei</i> , <i>L. buchneri</i> / <i>L. parabuchneri</i> , <i>L. collinoides</i> / <i>L. paracollinoides</i> , <i>L. perolens</i> / <i>L. harbinensis</i> , <i>L. plantarum</i> / <i>L. paraplantarum</i> , <i>L. coryniformis</i> , <i>L. acetotolerans</i> , <i>L. backii</i>	96 reactions/12 samples high 96 reactions/12 samples low 96 reactions/12 samples white	Q081 Q082 Q083
GEN-IAL® QuickGEN Biofilm	DNA detection of <i>Lactococcus lactis</i> , <i>Leuconostoc mesenteroides</i> and <i>Wickerhamomyces anomalus</i>	50 reactions	Q095
GEN-IAL® QuickGEN Hop resistance	DNA detection of hop resistance genes <i>horA</i> and <i>horC</i> / <i>hitA</i> and <i>orf5</i>	50 reactions	Q105
GEN-IAL® QuickGEN Enterobacteriaceae spp.	DNA detection of <i>Enterobacteriaceae</i> spp.	48 reactions white	Q143
GEN-IAL® QuickGEN Enterobacteriaceae spp.	DNA detection of <i>Enterobacteriaceae</i> spp.	50 reactions	Q145
GEN-IAL® QuickGEN Yeast <i>Wickerhamomyces anomalus</i>	DNA detection of <i>Wickerhamomyces anomalus</i> ( <i>Pichia anomala</i> )	50 reactions	Q175
GEN-IAL® QuickGEN Yeast <i>Saccharomyces diastaticus</i> low	DNA detection of <i>S. cerevisiae</i> var. <i>diastaticus</i>	48 reactions low	Q182
GEN-IAL® QuickGEN Screening and differentiation of beer spoilers	DNA detection of <i>L. rossiae</i> , <i>L. backii</i> , <i>L. brevis/parabrevis/brevisimilis</i> , <i>L. lindneri</i> <i>L. casei/paracasei</i> , <i>Pediococcus</i> spp. *, <i>Lactobacillus</i> spp. **, <i>Pectinatus</i> ./ <i>Megasphaera</i>	48 reactions high 48 reactions low 48 reactions white	Q201 Q202 Q203
GEN-IAL® QuickGEN Yeast PCR Kit <i>S. cerevisiae</i> var. <i>diastaticus</i> / <i>Dekkera</i> spp.	DNA detection of <i>S. cerevisiae</i> var. <i>diastaticus</i> and <i>Dekkera</i> spp. in beverages	48 reactions white	Q213
GEN-IAL® QuickGEN Screening and differentiation of wine spoilers	DNA detection of <i>Lactobacillus</i> spp., <i>Pediococcus</i> spp., <i>Acetic acid bacteria</i> , <i>Oenococcus oeni</i> , <i>Leuconostoc mesenteroides</i> , <i>Lactococcus lactis</i> , <i>Alicyclobacillus</i> spp., <i>Candida</i> spp., <i>Zygosaccharomyces</i> spp., <i>Dekkera</i> spp., <i>Saccharomyces cerevisiae</i> , <i>Diastatic S. cerevisiae</i> , <i>Schizosaccharomyces pombe</i> , <i>Pichia</i> spp.	48 reactions high 48 reactions low 48 reactions white	Q221 Q222 Q223
GEN-IAL® QuickGEN Screening and differentiation of wine spoilers	DNA detection of <i>Lactobacillus</i> spp., <i>Pediococcus</i> spp., <i>Acetic acid bacteria</i> , <i>Oenococcus oeni</i> , <i>Yeasts</i> , <i>Zygosaccharomyces bailii</i> , <i>Zygosaccharomyces rouxii</i> , <i>Dekkera bruxellensis</i> , <i>Saccharomyces cerevisiae</i>	48 reactions high 48 reactions low 48 reactions white	Q231 Q232 Q233
GEN-IAL® QuickGEN Fusarium spp. high	DNA detection of <i>Fusarium</i> spp.	48 reactions high	Q961

\* *Pediococcus* spp. *P.acidilactici*, *P. parvulus*, *P. inopinatus*, *P. pentosaceus*, *P.damnosus*, *P. claussenii*\*\* *Lactobacillus* spp.: *L. acetotolerans*, *L. collinoides/ paracollinoides*, *L. coryniformis*, *L. plantarum/paraplantarum*, *L. perolens/ harbinensis*, *L. buchneri/parabuchneri*

Further parameters/species detection kits are available on request. Please check the website for this.



## Microbiology/hygiene control

## Beverage analysis

Product	Description	No. of tests/amount	Art. No.
<b>Wine</b>			
<b>DNA preparation</b>			
GEN-IAL® Simplex® Easy Wine	DNA preparation of wine samples	100 preparations	Q300
GEN-IAL® Simplex® Easy Wine-Washing Solution	Additional washing solution for Q300	43 mL	Q301
<b>Qualitative multiplex real-time PCR</b>			
GEN-IAL® QuickGEN Wine Screening	DNA screening and differentiation of wine spoilage bacteria and yeasts: <i>Lactobacillus</i> ; <i>Pediococcus</i> ; <i>Oenococcus oeni</i> /acetic acid bacteria/yeast	48 reactions high 48 reactions low 48 reactions white 48 reactions MyGO	Q321 Q322 Q323 Q324
GEN-IAL® QuickGEN Wine Screening without yeast	DNA screening and differentiation of wine spoilage bacteria: <i>Lactobacillus</i> ; <i>Pediococcus</i> / <i>Oenococcus oeni</i> /acetic acid bacteria	48 reactions high 48 reactions low 48 reactions white 48 reactions MyGO	Q331 Q332 Q333 Q334
<b>Qualitative real-time PCR</b>			
GEN-IAL® Biogenic amines	DNA detection of bacteria forming biogenic amines	50 reactions	Q345
GEN-IAL® QuickGEN PCR-Kit Yeast universal	DNA detection of yeast universal	48 reactions low	Q982
<b>Quantitative real-time PCR</b>			
GEN-IAL® Dekkera bruxellensis Standard DNA	DNA standards for <i>Dekkera bruxellensis</i> quantification	200.000 cfu	Q360
GEN-IAL® QuickGEN Yeast Dekkera bruxellensis quantitative	DNA detection of <i>Dekkera bruxellensis</i>	48 reactions high 48 reactions low 48 reactions white	Q371 Q372 Q373



Further parameters/species detection kits are available on request. Please check the website for this.



## Beverage analysis

Product	Description	No. of tests/amount	Art. No.
<b>Qualitative multiplex real-time PCR</b>			
GEN-IAL® QuickGEN Wild yeast 1	DNA screening and differentiation of wild yeast*	48 reactions low 50 reactions	Q522 Q525
GEN-IAL® QuickGEN Wild yeast 2	DNA screening and differentiation of wild yeast**	48 reactions low 50 reactions	Q532 Q535
GEN-IAL® QuickGEN Yeast Differentiation	DNA screening and differentiation of 12 yeasts: <i>Rhodotorula</i> spp., <i>Saccharomyces exiguus</i> , <i>Candida</i> spp., <i>Saccharomyces cerevisiae</i> var. <i>Diastaticus</i> , <i>Saccharomycodes ludwigii</i> , <i>Debaromyces hansenii</i> , <i>Torulaspota delbrückii</i> , <i>Saccharomyces bayanus / pastorianus</i> , <i>Kluyveromyces marxianus</i> , <i>Hanseniaspora</i> spp., <i>Dekkera</i> spp., <i>Pichia</i> spp.	96 reactions/12 samples high 96 reactions/12 samples low 96 reactions/12 samples white	Q541 Q542 Q543
GEN-IAL® QuickGEN Yeast <i>Zygosaccharomyces bailii</i>	DNA detection of <i>Zygosaccharomyces bailii</i>	48 reactions high 48 reactions low 48 reactions white	Q561 Q562 Q563
GEN-IAL® QuickGEN Yeast <i>Zygosaccharomyces rouxii</i>	DNA detection of <i>Zygosaccharomyces rouxii</i>	48 reactions high 48 reactions low 48 reactions white	Q581 Q582 Q583
<b>Juice</b>			
<b>DNA preparation</b>			
GEN-IAL® Simplex® Easy® Spin DNA	<i>Alicyclobacillus</i> DNA extraction from fruit or vegetable juices or concentrates	50 preparations	Q701
GEN-IAL® Simplex Easy Plus DNA	DNA-extraction from <i>Alicyclobacillus</i> spp. without preenrichment	50 preparations	Q705
<b>Qualitative multiplex real-time PCR</b>			
GEN-IAL® QuickGEN <i>Alicyclobacillus</i> differentiation	DNA Screening of <i>Alicyclobacillus</i> spp., <i>A. acidocaldarius</i> and <i>A. acidoterrestris</i> in fruit juices or concentrates	48 reactions	Q724
<b>Accessories</b>			
GEN-IAL® Colour Compensation kit	Color compensation kit for multiplex assays	5 reactions	Q800

- \* *Dekkera anomala*, *Dekkera bruxellensis*, *Dekkera custersiana*, *Dekkera naardenensis*, *Debaromyces hansenii*, *Hanseniaspora guilliermondii*, *Hanseniaspora osmophila*, *Hanseniaspora uvarum*, *Issotchenkia orientalis*, *Kazachstania exigua*, *Kluyveromyces marxianus*, *Metschnikowia pulcherrina*, *Pichia anomala*, *Pichia fermentans*, *Pichia membranaefaciens*, *Saccharomyces diastaticus*, *Saccharomycodes ludwigii*, *Torulaspota delbrückii*
- \*\* *Candida glabrata*, *Candida albicans*, *Candida kefyr*, *Candida intermedia*, *Candida parapsilosis*, *Candida sake*, *Candida tropicalis*, *Naumovozyma dairenensis*, *Pichia guilliermondii*, *Zygosaccharomyces bailii*, *Zygosaccharomyces rouxii*

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