



## Beverage analysis

Product	Description	No. of tests/amount	Art. No.
<b>Juice</b>			
<b>DNA preparation</b>			
GEN-IAL® Simplex® Easy Spin DNA kit	<i>Alicyclobacillus</i> DNA extraction from fruit or vegetable juices or concentrates	50 preparations	SES0050
<b>Qualitative multiplex real-time PCR</b>			
GEN-IAL® Alicyclobacillus multiplex	DNA Screening of <i>Alicyclobacillus</i> spp., <i>A. acidocaldarius</i> and <i>A. acidoterrestris</i> in fruit juices or concentrates	50 reactions	TPABM 0050
<b>Wine</b>			
<b>DNA preparation</b>			
GEN-IAL® Simplex® Easy Wine kit	DNA preparation of wine samples	100 preparations	SEW0100
<b>Qualitative multiplex real-time PCR</b>			
GEN-IAL® First-Wine PCR 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	50 reactions	TPWS 0050
GEN-IAL® First-Wine PCR Screening	DNA Screening of wine spoilage bacteria: <i>Lactobacillus</i> ; <i>Pediococcus</i> ; <i>Oenococcus oeni</i> ; acetic acid bacteria	50 reactions	TPWSOH 0050
GEN-IAL® QuickGEN* First-Wine PCR Kit	DNA screening and differentiation of wine spoilage bacteria and yeasts: <i>Lactobacillus</i> ; <i>Pediococcus</i> ; <i>Oenococcus oeni</i> ; acetic acid bacteria; yeast High profile: ABI 7500, Agilent MX3005P	96 reactions	QTPWS0096 high
GEN-IAL® QuickGEN* First-Wine PCR Kit	DNA screening and differentiation of wine spoilage bacteria and yeasts: <i>Lactobacillus</i> ; <i>Pediococcus</i> ; <i>Oenococcus oeni</i> ; acetic acid bacteria; yeast Low profile: Agilent Aria MX, Bio-Rad CFX96™	96 reactions	QTPWS0096 low
GEN-IAL® QuickGEN* First-Wine PCR Kit	DNA screening and differentiation of wine spoilage bacteria and yeasts: <i>Lactobacillus</i> ; <i>Pediococcus</i> ; <i>Oenococcus oeni</i> ; acetic acid bacteria; yeast White strips: Bio-Rad CFX96™, LightCycler® 480	96 reactions	QTPWS0096 white
GEN-IAL® QuickGEN* First-Wine PCR Kit	DNA screening and differentiation of wine spoilage bacteria and yeasts: <i>Lactobacillus</i> ; <i>Pediococcus</i> ; <i>Oenococcus oeni</i> ; acetic acid bacteria; yeast Low MG profile: MyGo Pro	96 reactions	QTPWS0096 low MG
GEN-IAL® QuickGEN* First-Wine PCR Kit	DNA Screening of wine spoilage bacteria: <i>Lactobacillus</i> ; <i>Pediococcus</i> ; <i>Oenococcus oeni</i> ; acetic acid bacteria High profile: ABI 7500, Agilent MX3005P	96 reactions	QTPWSOH 0096 high
GEN-IAL® QuickGEN* First-Wine PCR Kit	DNA Screening of wine spoilage bacteria: <i>Lactobacillus</i> ; <i>Pediococcus</i> ; <i>Oenococcus oeni</i> ; acetic acid bacteria Low profile: Agilent Aria MX, Bio-Rad CFX96™	96 reactions	QTPWSOH 0096 low
GEN-IAL® QuickGEN* First-Wine PCR Kit	DNA Screening of wine spoilage bacteria: <i>Lactobacillus</i> ; <i>Pediococcus</i> ; <i>Oenococcus oeni</i> ; acetic acid bacteria White strips: Bio-Rad CFX96™, LightCycler® 480	96 reactions	QTPWSOH 0096 white
GEN-IAL® QuickGEN* First-Wine PCR Kit	DNA Screening of wine spoilage bacteria: <i>Lactobacillus</i> ; <i>Pediococcus</i> ; <i>Oenococcus oeni</i> ; acetic acid bacteria Low MG profile: MyGo Pro	96 reactions	QTPWSOH 0096 low MG

\* QuickGEN kits deliver a rapid, easy one-step DNA lysis and amplification method. Pre-enriched samples as well as centrifuged or filtrated samples may be used with CSE 0100 or FSE 0100 and subsequent QuickGEN detection kits.

Precoated stripes enable less pipetting steps. Different kits are suitable for different real-time thermocyclers:

High profile: ABI 7500, Agilent MX3005P

Low profile: Agilent Aria MX, Bio-Rad CFX96, MyGo Pro

White strips: Bio-Rad CFX96, LightCycler® 480

other block cyclers may be suitable as well. Information is available on request.



## Microbiology/hygiene

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<b>Wine</b>			
<b>Qualitative real-time PCR</b>			
GEN-IAL® QuickGEN* First-Oenococcus Oeni	Specific DNA detection of <i>Oenococcus oeni</i> High profile: ABI 7500, Agilent MX3005P	48 reactions	QTPOE0048 high
GEN-IAL® QuickGEN* First-Oenococcus Oeni	Specific DNA detection of <i>Oenococcus oeni</i> Low profile: Agilent AriaMX, Bio-Rad CFX96, MyGo Pro	48 reactions	QTPOE0048 low
GEN-IAL® QuickGEN* First-Oenococcus Oeni	Specific DNA detection of <i>Oenococcus oeni</i> White strips: Bio-Rad CFX96, LightCycler® 480	48 reactions	QTPOE0048 white
GEN-IAL® First-Wine Screening Biogene Amine	Specific DNA detection of bacteria forming biogenic amines	50 reactions	BAM0050
<b>Wine/beer</b>			
<b>Qualitative real-time PCR</b>			
GEN-IAL® Acetic acid bacteria	Specific DNA detection of acetic acid bacteria	50 reactions	TPA 0050
GEN-IAL® QuickGEN* Acetic acid bacteria	Specific DNA detection of acetic acid bacteria High profile: ABI 7500, Agilent MX3005P	48 reactions	QTPA0048 high
GEN-IAL® QuickGEN* Acetic acid bacteria	Specific DNA detection of acetic acid bacteria Low profile: Agilent AriaMX, Bio-Rad CFX96™, MyGo Pro	48 reactions	QTPA0048 low
GEN-IAL® QuickGEN* Acetic acid bacteria	Specific DNA detection of acetic acid bacteria White strips: Bio-Rad CFX96, LightCycler® 480	48 reactions	QTPA0048 white
GEN-IAL® QuickGEN* First-Yeast PCR Kit Dekkera spp.	Specific DNA detection of <i>Dekkera</i> spp. High profile: ABI 7500, Agilent MX3005P	48 reactions	QTPYD0048 high
GEN-IAL® QuickGEN* First-Yeast PCR Kit Dekkera spp.	Specific DNA detection of <i>Dekkera</i> spp. Low profile: Agilent Aria MX, Bio-Rad CFX96™	48 reactions	QTPYD0048 low
GEN-IAL® QuickGEN* First-Yeast PCR Kit Dekkera spp.	Specific DNA detection of <i>Dekkera</i> spp. White strips: Bio-Rad CFX96™, LightCycler® 480	48 reactions	QTPYD0048 white
GEN-IAL® Dekkera bruxellensis FH	Specific DNA detection of <i>Dekkera bruxellensis</i> (FAM HEX)	50 reactions	TPYDB 0050 FH
GEN-IAL® Dekkera bruxellensis FR	Specific DNA detection of <i>Dekkera bruxellensis</i> (FAM ROX)	50 reactions	TPYDB 0050 FR
GEN-IAL® Dekkera bruxellensis Spartan DX-12	Specific DNA detection of <i>Dekkera bruxellensis</i>	50 reactions	TPYDB 0050 SP
GEN-IAL® Dekkera bruxellensis	Specific DNA detection of <i>Dekkera bruxellensis</i> High profile: ABI 7500, Agilent MX3005P	48 reactions	QTPYDB0048 high
GEN-IAL® Dekkera bruxellensis	Specific DNA detection of <i>Dekkera bruxellensis</i> Low profile: Agilent AriaMX, Bio-Rad CFX96, MyGo Pro	48 reactions	QTPYDB0048 low
GEN-IAL® Dekkera bruxellensis	Specific DNA detection of <i>Dekkera bruxellensis</i> White strips: Bio-Rad CFX96, LightCycler® 480	48 reactions	QTPYDB0048 white
<b>Wine/beer</b>			
<b>Qualitative real-time PCR</b>			
GEN-IAL® Zygosaccharomyces bailii	Specific DNA detection of <i>Zygosaccharomyces bailii</i> High profile: ABI 7500, Agilent MX3005P	48 reactions	QTPYZB0048 high
GEN-IAL® Zygosaccharomyces bailii	Specific DNA detection of <i>Zygosaccharomyces bailii</i> Low profile: Agilent AriaMX, Bio-Rad CFX96™, MyGo Pro	48 reactions	QTPYZB0048 low
GEN-IAL® Zygosaccharomyces bailii	Specific DNA detection of <i>Zygosaccharomyces bailii</i> White strips: Bio-Rad CFX96™, LightCycler® 480	48 reactions	QTPYZB0048 white

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<b>Beer</b>			
<b>DNA preparation</b>			
GEN-IAL® Simplex® Easy DNA kit	DNA preparation of beverage samples	100 preparations	SE 0100
GEN-IAL® QuickGEN* Sample preparation filtration	DNA preparation of beverage samples, filtration	100 preparations	FSE 0100
<b>DNA preparation with centrifugation without enrichment</b>			
GEN-IAL® QuickGEN* Sample preparation centrifugation	DNA preparation of beverage samples, centrifugation	100 preparations	CSE 0100
GEN-IAL® QuickGEN* Sample preparation in yeast	For beverage samples mainly containing yeast	100 preparations	CSY 0100
<b>Beer – bacteria &amp; yeast</b>			
<b>Qualitative multiplex real-time PCR</b>			
GEN-IAL® QuickGEN* First-Beer Differentiation PCR Kit	Multiplex detection (30 species) and identification (19 species) of relevant beer spoilers High profile: ABI 7500, Agilent MX3005P	96 reactions	QTPBD0096 high
GEN-IAL® QuickGEN* First-Beer Differentiation PCR Kit	Multiplex detection (30 species) and identification (19 species) of relevant beer spoilers Low profile: Agilent AriaMX, Bio-Rad CFX96™, MyGo Pro	96 reactions	QTPBD0096 low
GEN-IAL® QuickGEN* First-Beer Differentiation PCR Kit	Multiplex detection (30 species) and identification (19 species) of relevant beer spoilers White strips: Bio-Rad CFX96, LightCycler® 480	96 reactions	QTPBD0096 white
GEN-IAL® QuickGEN* First-Beer yeast and bacteria differentiation	Multiplex detection and identification of beverage spoiling bacteria and yeasts High profile: ABI 7500, Agilent MX3005P	96 reactions	QTPYB0096 high
GEN-IAL® QuickGEN* First-Beer yeast and bacteria differentiation	Multiplex detection and identification of beverage spoiling bacteria and yeasts Low profile: Agilent AriaMX, Bio-Rad CFX96™, MyGo Pro	96 reactions	QTPYB0096 low
GEN-IAL® QuickGEN* First-Beer yeast and bacteria differentiation	Multiplex detection and identification of beverage spoiling bacteria and yeasts White strips: Bio-Rad CFX96™, LightCycler® 480	96 reactions	QTPYB0096 white
GEN-IAL® P1 Screening	DNA screening and differentiation of beer spoiling bacteria and yeasts	50 reactions	PP1T 0050
GEN-IAL® QuickGEN* P1 Screening	DNA screening and differentiation of beer spoiling bacteria and yeasts	50 reactions	QPP1T 0050



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Product	Description	No. of tests/amount	Art. No.
<b>Beer – bacteria &amp; yeast</b>			
<b>Qualitative multiplex real-time PCR</b>			
GEN-IAL® QuickGEN* P1 Screening	DNA screening and differentiation of beer spoiling bacteria and yeasts High profile: ABI 7500, Agilent MX3005P	48 reactions	QPP1T0048 high
GEN-IAL® QuickGEN* P1 Screening	DNA screening and differentiation of beer spoiling bacteria and yeasts Low profile: Agilent AriaMX, Bio-Rad CFX96™, MyGo Pro	48 reactions	QPP1T0048 low
GEN-IAL® QuickGEN* P1 Screening	DNA screening and differentiation of beer spoiling bacteria and yeasts low MG profile: MyGo Pro	48 reactions	QPP1T0048 low MG
GEN-IAL® QuickGEN* P1 Screening	DNA screening and differentiation of beer spoiling bacteria and yeasts White strips: Bio-Rad CFX96™, LightCycler® 480	48 reactions	QPP1T0048 white
GEN-IAL® QuickGEN* P1 Screening	DNA screening and differentiation of beer spoiling bacteria and <i>Saccharomyces cerevisiae</i> var. <i>diastaticus</i>	50 reactions	QPP1SD 0050
GEN-IAL® QuickGEN* P1 Screening	DNA screening and differentiation of beer spoiling bacteria and <i>Saccharomyces cerevisiae</i> var. <i>diastaticus</i> High profile: ABI 7500, Agilent MX3005P	48 reactions	QPP1SD0048 high
GEN-IAL® QuickGEN* P1 Screening	DNA screening and differentiation of beer spoiling bacteria and <i>Saccharomyces cerevisiae</i> var. <i>diastaticus</i> Low profile: Agilent AriaMX, Bio-Rad CFX96™, MyGo Pro	48 reactions	QPP1SD0048 low
GEN-IAL® QuickGEN* P1 Screening	DNA screening and differentiation of beer spoiling bacteria and <i>Saccharomyces cerevisiae</i> var. <i>diastaticus</i> Low MG profile: MyGo Pro	48 reactions	QPP1SD0048 low MG
GEN-IAL® QuickGEN* P1 Screening	DNA screening and differentiation of beer spoiling bacteria and <i>Saccharomyces cerevisiae</i> var. <i>diastaticus</i> White strips: Bio-Rad CFX96™, LightCycler® 480	48 reactions	QPP1SD0048 white
GEN-IAL® QuickGEN* P1 Screening	DNA screening and differentiation of beer spoiling bacteria and hop resistance genes High profile: ABI 7500, Agilent MX3005P	48 reactions	QPP1HR0048 high
GEN-IAL® QuickGEN* P1 Screening	DNA screening and differentiation of beer spoiling bacteria and hop resistance genes Low profile: Agilent AriaMX, Bio-Rad CFX96™, MyGo Pro	48 reactions	QPP1HR0048 low
GEN-IAL® QuickGEN* P1 Screening	DNA screening and differentiation of beer spoiling bacteria and hop resistance genes Low MG profile: MyGo Pro	48 reactions	QPP1HR0048 low MG
GEN-IAL® QuickGEN* P1 Screening	DNA screening and differentiation of beer spoiling bacteria and hop resistance genes White strips: Bio-Rad CFX96™, LightCycler® 480	48 reactions	QPP1HR0048 white
GEN-IAL® QuickGEN* First-Biofilm	Specific DNA detection of <i>Lactococcus lactis</i> , <i>Leuconostoc mesenteroides</i> and <i>Pichia anomala</i>	50 reactions	QTPBF0050
<b>Beer – bacteria</b>			
<b>Qualitative real-time PCR</b>			
GEN-IAL® Pectinatus spp./Megasphaera spp.	Specific DNA detection and differentiation of <i>Pectinatus</i> and <i>Megasphaera</i>	50 reactions	TPPMD 0050
GEN-IAL® Pectinatus spp./Megasphaera spp.	Specific DNA detection and differentiation of <i>Pectinatus</i> and <i>Megasphaera</i> Low profile: Agilent AriaMX, Bio-Rad CFX96™, MyGo Pro	48 reactions	QTPPMD0048 low
GEN-IAL® Enterobacteriaceae	DNA detection of <i>Enterobacteriaceae</i>	50 reactions	TPENT0050



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Product	Description	No. of tests/amount	Art. No.
<b>Beer – resistance genes</b>			
<b>Qualitative real-time PCR</b>			
GEN-IAL® QuickGEN* hop resistance genes horA and horC / hitA and orf5	Specific DNA detection of hop resistance genes	50 reactions	QTPHR 0050
<b>Beer – yeast</b>			
<b>Qualitative real-time PCR</b>			
GEN-IAL® QuickGEN* First-Yeast PCR Kit Wild Yeast 1	DNA screening and differentiation of wild yeast	50 reactions	QTPWY10050
GEN-IAL® QuickGEN* First-Yeast PCR Kit Wild Yeast 2	DNA screening and differentiation of wild yeast	50 reactions	QTPWY20050
GEN-IAL® QuickGEN* First-Yeast PCR Kit Wild Yeast	DNA screening and differentiation of wild yeast High profile: ABI 7500, Agilent MX3500P	96 reactions	QTPWY0096 high
GEN-IAL® QuickGEN* First-Yeast PCR Kit Wild Yeast	DNA screening and differentiation of wild yeast Low profile: Agilent AriaMX, Bio-Rad CFX96™, MyGo Pro	96 reactions	QTPWY0096 low
GEN-IAL® QuickGEN* First-Yeast PCR Kit Wild Yeast	DNA screening and differentiation of wild yeast White strips: Bio-Rad CFX96™, LightCycler® 480	96 reactions	QTPWY0096 white
GEN-IAL® QuickGEN* First-Yeast differentiation PCR Kit	DNA screening and differentiation of 12 yeasts High profile: ABI 7500, Agilent MX3005P	96 reactions	QYDIF0096 high
GEN-IAL® QuickGEN* First-Yeast differentiation PCR Kit	DNA screening and differentiation of 12 yeasts Low profile: Agilent AriaMX, Bio-Rad CFX96™, MyGo Pro	96 reactions	QYDIF0096 low
GEN-IAL® QuickGEN* First-Yeast differentiation PCR Kit	DNA screening and differentiation of 12 yeasts White strips: Bio-Rad CFX96™, LightCycler® 480	96 reactions	QYDIF0096 white
GEN-IAL® Dekkera anomala	Specific DNA detection of <i>Dekkera anomala</i>	50 reactions	TPYDA 0050
GEN-IAL® Pichia anomala	Specific DNA detection of <i>Pichia anomala</i> ( <i>Wickerhamomyces anomalus</i> )	50 reactions	TPYPA 0050
GEN-IAL® Saccharomyces diastaticus	Specific DNA detection of <i>Saccharomyces cerevisiae</i> var. <i>diastaticus</i>	50 reactions	TPYSD 0050
GEN-IAL® Pichia membranaefaciens	Specific DNA detection of <i>Pichia membranaefaciens</i>	50 reactions	TPYPM 0050
GEN-IAL® Bottom fermented yeast	Specific DNA detection of bottom fermented yeast	50 reactions	TPYUG 0050
GEN-IAL® QUICK GEN* Bottom fermented yeast	Specific DNA detection of bottom fermented yeast High profile: ABI 7500, Agilent MX3005P	48 reactions	QTPYUG0048 high
GEN-IAL® QUICK GEN* Bottom fermented yeast	Specific DNA detection of bottom fermented yeast Low profile: Agilent Aria MX, Bio-Rad CFX96™	48 reactions	QTPYUG0048 low
GEN-IAL® QUICK GEN* Bottom fermented yeast	Specific DNA detection of bottom fermented yeast White strips: Bio-Rad CFX96™, LightCycler® 480	48 reactions	QTPYUG0048 white
GEN-IAL® Top fermented yeast	Specific DNA detection of top fermented yeast	50 reactions	TPYOG 0050
GEN-IAL® QUICK GEN* Top fermented yeast	Specific DNA detection of top fermented yeast High profile: ABI 7500, Agilent MX3005P	48 reactions	QTPYOG0048 high
GEN-IAL® QUICK GEN* Top fermented yeast	Specific DNA detection of top fermented yeast Low profile: Agilent Aria MX, Bio-Rad CFX96™	48 reactions	QTPYOG0048 low
GEN-IAL® QUICK GEN* Top fermented yeast	Specific DNA detection of top fermented yeast White strips: Bio-Rad CFX96™, LightCycler® 480	48 reactions	QTPYOG0048 white

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### Beverage analysis

GEN-IAL® accessories	Real-time PCR		
GEN-IAL® Dekkera bruxellensis Standards	DNA standards for <i>Dekkera bruxellensis</i> quantification	200.000 cfu	DBST 0100
Color Compensation Kit LightCycler® 480	Color compensation kit for multiplex assays	5 reactions	PP1TCC 0005
Color Compensation Kit LightCycler® 2.0	Color compensation kit for multiplex assays	5 reactions	CCFH 0005
Washing solution	Washing solution for SEW 0100	43 ml	WS 0100

### Test systems for cleaning control

AMP/ATP detection	Bioluminescence		
LuciPac® Pen	Test system for hygiene control on surfaces (based on detection of ATP/AMP) Reaction tubes with integrated swab for use with Lumitester PD-30	100 determinations	ZLP1002667
Protein tests	Swab tests		
RIDA®CHECK	Colorimetric test, ready-to-use swabs for the detection of protein residues on surfaces	100 determinations 40 determinations	R1091 R1092