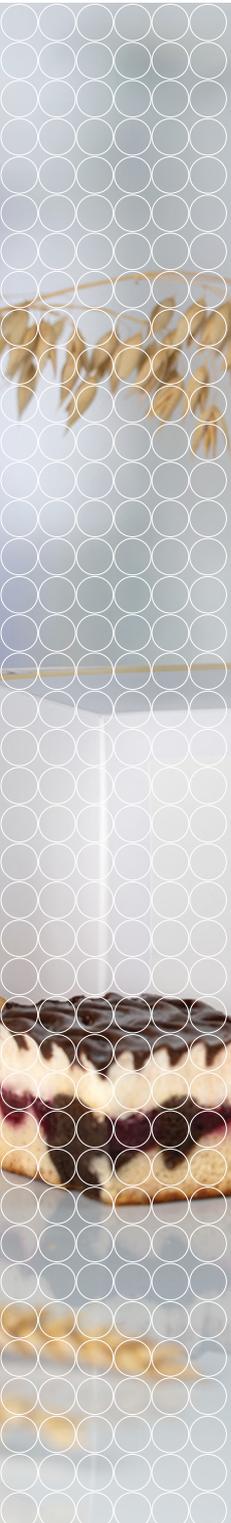


# Product Catalogue 2026

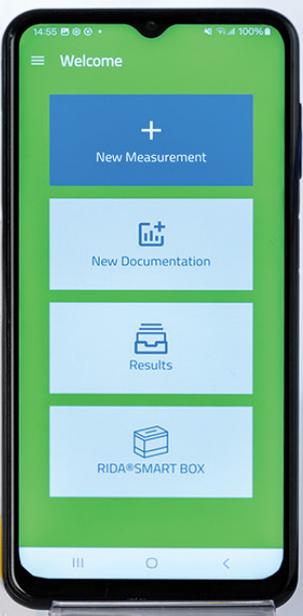
## Food Allergens



**RIDA®QUICK Gluten quant.**  
Lateral flow test for the quantitative determination of gluten

REF: RAL7073  
LOT: 00000  
EXP: 2024-07-05  
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r-biopharm AG  
Am der neuen Bergstraße 17  
64297 Darmstadt, Germany



# Allergens



## Allergen analysis of surfaces, in cleaning water and foods

Even small traces of allergenic proteins in food can provoke allergic reactions in sensitive people. Therefore, monitoring of cross-contamination in raw material and production lines as well as correct labeling of food products are an important part of quality control in the food industry.

### Surface and hygiene control

Clean and controlled allergen production conditions are a prerequisite for allergen-free food products. Surface tests with bioavid or RIDA®QUICK test strips (LFD) enable fast and reliable control within production. Results are available in 5 - 10 minutes without the need for extensive laboratory equipment. Thanks to the new RIDA®SMART APP Allergen, documentation of results is now easier than ever before.

### Product testing

For food testing, different analytical methods exist: ELISA, LFD and PCR. While ELISA and LFD detect proteins, PCR detects the DNA of allergens. These methods are complementary and can be used for confirmation of screening results. With the bioavid LFDs incl. hook line, results are even more reliable. Very large amounts of allergen proteins in the sample can lead to falsely low or negative results - this is known as the hook effect. The bioavid LFDs have been equipped with an additional line, the hook line, to detect this effect. Our new quantitative LFD now also enables fast, reliable and quantitative gluten detection in test strip format. The unique 4plex Allergen qPCR kits allow the detection of up to 9 parameters plus internal amplification control in one run. Most of the ELISA kits are suitable for both manual and automated handling.

## RIDASCREEN®

### ELISA

- Quantitative results using recognized reference materials (e.g. NIST)
- Possibility of using automatess (ThunderBolt®, Bolt™, DYNEX DS2®)
- Evaluation with the user-friendly software – RIDASOFT® Win.NET Food & Feed

### New: EASY line

- EASY extraction with an extraction tablet
- Spike solution included in the kit



## RIDA®QUICK/bioavid

### Lateral flow tests

- Versatile application
- Fast, simple procedure (on-site), no laboratory equipment required
- **bioavid tests:** integrated hook line and everything for hygiene testing included
- Documentation with RIDA®SMART APP Allergen

### New: RIDA®QUICK quant.

- Quantitative results
- Evaluation using RIDA®SMART APP Allergen
- EASY extraction with an extraction tablet



## SureFood® ALLERGEN

### Real-time PCR

- Robust, stable target molecule (DNA) in highly processed food samples
- Highly specific assay with minimum tendency to cross reactions
- One sample preparation for all parameters using SureFood® PREP Advanced (Art. No. S1053) for manual preparation or automated with SureFast® Mag PREP Food (Art. No. F1060) in approx. 90 min
- Standardized handling and test procedure (1 - 2 h)





## Allergens

	RIDASCREEN®	RIDA®QUICK/bioavid	SureFood®
	ELISA	Lateral flow tests	Real-time PCR
<b>Gliadin/Gluten</b>			
Gliadin/Gluten	●	●●	●
Gliadin/Gluten fragments	●		
<b>Egg</b>			
Egg	●	●	
Lysozyme	●		
<b>Milk</b>			
β-Lactoglobulin	●		
β-Lactoglobulin fragments	●		
Casein	●	●	
Milk	●	●	
<b>Nuts and similar</b>			
Almond	●	●	●●
Beechnut			●
Brazil nut		●	●
Cashew	●	●	●●
Coconut		●	●
Hazelnut	●	●	●●
Macadamia		●	●●
Peanut	●	●	●●
Pecan			●●
Pine nut			●
Pistachio		●	●●
Shea nut			●
Walnut	●	●	●●
<b>Seafood</b>			
Crustacean	●	●	●●
Fish			●●
Molluscs			●●
<b>Various</b>			
Apricot			●
Buckwheat			●
Celery			●●
Insects			●
Lupine	●		●
Mustard	●	●	●●
Oat			●
Sesame	●	●	●
Soya	●	●●	●●

- Quantitative
- bioavid with hook line
- SureFood® ALLERGEN 4plex kits

Other parameters (like histamines, glutamic acid, lactose and sulfites), that are often diagnosed in connection with allergies, can be found in the corresponding other chapters of our product catalogue.



## Allergens

### Gliadin/Gluten

Product	Description	No. of tests/amount	Art. No.
<b>ELISA microtiter plates</b>			
RIDASCREEN® Gliadin* AOAC-OMA 2012.01 "Final Action" AOAC-PTM 120601 AACCI 38-50.01 Codex Alimentarius Method (Type I) ICC 182	Official R5 Mendéz method: sandwich ELISA to quantify prolamines from wheat, rye and barley in e.g. food declared as gluten-free; sample extraction with Cocktail (patented) (Art. No. R7006/R7016) (not contained in the kit); the kit is suitable for automation Detection limit: 0.5 mg/kg gliadin or 1.0 mg/kg gluten (matrix dependent)	96 determinations Incubation time: 1 h 30 min	R7001
RIDASCREEN®FAST Gliadin sensitive*	R5 sandwich ELISA to quantify prolamines from wheat, rye and barley in e.g. food declared as gluten-free; sample extraction with Art. No. R7006/R7016 or R7080 (not contained in the kit); the kit is suitable for automation Detection limit: 0.2 mg/kg gliadin or 0.4 mg/kg gluten (matrix dependent)	96 determinations Incubation time: 30 min	R7051
RIDASCREEN® Gliadin competitive (2 <sup>nd</sup> generation) AOAC-OMA 2015.05 „Final Action“ AACCI 38-55.01 ICC 183	R5 competitive ELISA to quantify potential toxic peptide sequences of prolamines from wheat, rye and barley in fermented and hydrolyzed food (e.g. beer, starch, starch syrup); sample preparation with ethanol; the results can be related to the limit values of the Codex Alimentarius; the kit is suitable for automation Detection limit: 2.3 mg/kg gliadin or 4.6 mg/kg gluten (matrix dependent)	96 determinations Incubation time: 40 min	R7021
RIDASCREEN® Total Gluten AOAC-OMA 2018.15 "First Action"	R5 based sandwich ELISA for to quantify gluten from wheat, rye and barley in oat and oat products; sample extraction with R7006 or R7016 (not contained in the kit) Detection limit: 4 mg/kg gluten (matrix dependent) Can be also used for testing oat-free samples using Additive-TG (Art. No. RA0041) (application note).	96 determinations Incubation time: 50 min	R7041
RIDASCREEN®EASY Gluten*	R5 sandwich ELISA to quantify contamination by prolamins from wheat, rye and barley in foods. The test is calibrated against gluten and the result is given in mg gluten per kg food. Detection limit: 0.8 mg/kg gluten (averaged over wheat, rye, barley; matrix dependent)	96 determinations Incubation time: 30 min	RAE7071
<b>Lateral flow test strips</b>			
RIDA®QUICK Gluten quant.*	R5 sandwich quick test (LFD) to quantify contamination by prolamins from wheat, rye and barley. The test is calibrated against gluten and the result is given in mg gluten per kg food. Detection limit: Surface: 0.038 µg/mL gluten CIP water: 0.072 µg/mL gluten Food samples: 0.7 mg/kg gluten (matrix dependent)	15 test strips Incubation time: 10 min	RAL7073
RIDA®QUICK Gliadin* AOAC-OMA 2015.16 „Final Action“ AACCI 38-60.01 AOAC-PTM 101702	R5 sandwich quick test for detection of prolamines from wheat, rye and barley; the test strips can directly be used for swabbing (no external swab needed). Detection limit: Surfaces: 1.6 - 3.0 µg gluten/100 cm <sup>2</sup> Raw materials: 4.4 mg/kg gluten Processed food: 6.3 mg/kg gluten Cleaning/process water: 10 ng/mL gluten (without cleaner) 50 - 100 ng/mL gluten (with cleaner) (matrix dependent)	25 test strips in reclosable tube, 25 plastic pipettes, sample diluent (ready-to-use), 30 vials Incubation time: 5 min	R7003

\* See patent marking p.77.





## Allergens

## Gluten

Product	Description	No. of tests/amount	Art. No.
<b>Lateral flow test strips</b>			
RIDA®QUICK Gliadin* (single packaged) AOAC-OMA 2015.16 „Final Action“ AACCI 38-60.01 AOAC-PTM 101702	Corresponding to R7003, test strips are single packaged and no plastic pipettes are included	25 test strips single packaged, sample diluent (ready-to-use), 30 vials	R7004
RIDA®QUICK Gliadin (ready to swab) AOAC-PTM 101702	Corresponding to R7003, package contents designed for swab test application, test strips are single packaged, prefilled vials with ready-to-use sample buffer are included	25 test strips single packed, 25 prefilled vials with ready-to-use buffer	R7005
<b>Accessories</b>			
Cocktail (patented)	Developed by Prof. Mendéz; officially recommended extraction buffer for all processed e.g. heat treated food samples in conjunction with R7001, R7002, R7003, R7004, R7051, R7041, R7051	105 mL	R7006
Cocktail (patented)	Corresponding to R7006 but larger bottle size	1000 mL	R7016
Cocktail ECO*	Alternative to the Cocktail (patented); use only after comparison with R7006/R7016: the extraction is faster (35 min) and more environment-friendly; for all processed e.g. heat treated food tested with R7001, R7002, R7003, R7004, R7051	2 x 115 mL	R7080
RIDA® Extraction Solution (colorless)	Alternative to the Cocktail (patented); use only after comparison with R7006/R7016: the extraction is faster (35 min); for all processed e.g. heat treated food tested with R7001, R7002, R7003, R7004, R7051; additional application for R4612 available	105 mL	R7098
Set of 3 processed Gliadin Assay Controls	Three contaminated gliadin assay controls: one below 10 ppm (< 20 ppm limit value for gluten) and two high positive homogenized snack samples; in cooperation with Trilogy® Analytical Laboratories	3 x 1.5 g	R7012
RIDASCREEN® Total Gluten Additive TG	Use with RIDASCREEN® Total Gluten (Art. No. R7041) for analysis of oat-free samples or samples with low oat content (< 50 %)	2 mL concentrate	RA0041
Wheat Gluten Reference Material	Gluten reference material based on MoniQA wheat flour	2 g	RAA7011 Coming soon

\* See patent marking p.77.



## Allergens

### Gluten

Product	Description	No. of tests/amount	Art. No.
<b>Real-time PCR – qualitative and/or quantitative DNA detection</b>			
SureFood® ALLERGEN Gluten	Detection of gluten-containing cereals (wheat such as spelt and khorasan wheat, rye, barley, oats) Detection limit: ≤ 0.4 mg/kg; limit of quantification: 1 mg/kg depending on matrix and DNA preparation	100 reactions**	S3606
SureFood® ALLERGEN Oat	Detection limit: ≤ 1 mg/kg depending on the matrix and DNA preparation	100 reactions	S7004
<b>Screening Real-time PCR – qualitative DNA detection</b>			
SureFood® ALLERGEN 4plex Cereals	Detection limit: ≤ 1 mg/kg depending on matrix and DNA preparation Qualitative detection and differentiation of specific wheat ( <i>Triticum</i> ), barley ( <i>Hordeum vulgare</i> ) and rye ( <i>Secale cereale</i> ) DNA sequences	100 reactions	S7006



### Egg

<b>ELISA microtiter plates</b>			
RIDASCREEN® Egg*	Sandwich ELISA to quantify traces of native and processed egg in food; the assay is calibrated to NIST SRM 8445 whole egg powder; the kit is suitable for automation Detection limit: 0.13 mg/kg whole egg powder or 0.0624 mg/kg whole egg protein (matrix dependent)	96 determinations Incubation time: 50 min	R6411
RIDASCREEN®FAST Ei/Egg Protein	Sandwich ELISA to quantify traces of native egg in food; the assay is calibrated to NIST SRM 8445 whole egg powder; the kit is suitable for automation Detection limit: 0.1 mg/kg whole egg powder or 0.03 mg/kg egg white protein (matrix dependent)	48 determinations Incubation time: 30 min	R6402
RIDASCREEN®FAST Lysozym	Sandwich ELISA to quantify traces of lysozyme in wine, cheese and sausage; the kit is suitable for automation Detection limit: 0.005 mg/kg lysozyme in wine, 0.011 mg/kg lysozyme in cheese and sausages	48 determinations Incubation time: 30 min	R6452
<b>Lateral flow test strips</b>			
bioavid Lateral Flow Egg incl. Hook Line	Immunochromatographic quick test for the qualitative detection of egg residues; incl. hook line; everything for cleaning control included Detection limit: CIP water: 0.05 µg/mL, surfaces: 0.05 µg/cm <sup>2</sup>	15 test strips Total assay time: 10 min	BLH708-15



\* See patent marking p.77.

\*\* SureFood® QUANTARD Allergen 40 must be used for quantification.



## Allergens

## Milk

Product	Description	No. of tests/amount	Art. No.
<b>ELISA microtiter plates</b>			
RIDASCREEN® $\beta$ -Lactoglobulin	Competitive ELISA to quantify processed $\beta$ -lactoglobulin in hydrolyzed milk products (e.g. hypoallergenic baby food) Detection limit: 1.4 mg/kg $\beta$ -lactoglobulin (matrix dependent)	96 determinations Incubation time: 2 h 45 min	R4901
RIDASCREEN®FAST $\beta$ -Lactoglobulin	Sandwich ELISA to quantify traces of native and processed $\beta$ -lactoglobulin in food, which contain traces of milk or whey Detection limit: 0.042 mg/kg $\beta$ -lactoglobulin (0.024 - 0.073 mg/kg matrix dependent)	48 determinations Incubation time: 30 min	R4912
RIDASCREEN®FAST Casein	Sandwich ELISA to quantify traces of casein in food, which contain traces of milk or casein/caseinates; Detection limit: extraction with allergen extraction buffer for chocolate, ice cream and wine 0.12 mg/kg casein (matrix dependent); extraction with Extractor 2 for rice crispies and sausage 0.71 mg/kg casein (matrix dependent)	48 determinations Incubation time: 30 min	R4612
RIDASCREEN®FAST Milk AOAC-PTM 101501	Sandwich ELISA to quantify traces of milk proteins (casein and $\beta$ -lactoglobulin) in food; the assay is calibrated to NIST SRM 1549a whole milk powder; the kit is suitable for automation Detection limit: 0.57 mg/kg milk protein (matrix dependent)	48 determinations Incubation time: 30 min	R4652
<b>ELISA – accessories</b>			
RIDA® Extractor 2	The RIDA® Extractor 2 is used for the sample preparation in <ul style="list-style-type: none"> <li>▪ RIDASCREEN®FAST Milk (Art. No. R4652)</li> <li>▪ RIDASCREEN®FAST Casein (Art. No. R4612)</li> <li>▪ RIDASCREEN®FAST <math>\beta</math>-Lactoglobulin (Art. No. R4912)</li> </ul>	30 mL concentrate, sufficient for 15 samples	R4613
RIDA® Extraction solution (colorless)	For an alternative sample extraction with R4612; ask for the respective application note	105 mL	R7098
<b>Lateral flow test strips</b>			
bioavid Lateral Flow Milk	Immunochromatographic quick test for the qualitative detection of milk (casein and $\beta$ -lactoglobulin); everything for cleaning control included Detection limit: CIP water: 1 $\mu$ g/mL, surfaces: 0.5 $\mu$ g/cm <sup>2</sup>	15 test strips Total assay time: 10 min	BL623-15
bioavid Lateral Flow Casein incl. Hook Line	Immunochromatographic quick test for the qualitative detection of casein residues; incl. hook line; everything for cleaning control included Detection limit: CIP water: 0.01 $\mu$ g/mL, surfaces: 0.01 $\mu$ g/cm <sup>2</sup>	15 test strips Total assay time: 10 min	BLH714-15





## Allergens



### Nuts and similar

Product	Description	No. of tests/amount	Art. No.
<b>Almond</b>			
<b>ELISA microtiter plates</b>			
RIDASCREEN®FAST Mandel/Almond	Sandwich ELISA to quantify traces of almond in food; the kit is suitable for automation Detection limit: 0.1 mg/kg almond (0 - 0.23 mg/kg matrix dependent)	48 determinations Incubation time: 30 min	R6901
<b>Lateral flow test strips</b>			
bioavid Lateral Flow Almond incl. Hook Line	Immunochromatographic quick test for the qualitative detection of almond residues; incl. hook line; everything for cleaning control included Detection limit: CIP water: 0.1 µg/mL, surfaces: 0.05 µg/cm <sup>2</sup>	15 test strips Total assay time: 10 min	BLH701-15
<b>Real-time PCR – qualitative and/or quantitative DNA detection</b>			
SureFood® ALLERGEN Almond	Detection limit: ≤ 0.4 mg/kg; limit of quantification: 1 mg/kg depending on matrix and DNA preparation	100 reactions**	S3604
<b>Beechnut</b>			
<b>Real-time PCR – qualitative DNA detection</b>			
SureFood® ALLERGEN Beechnut	Detection limit: ≤ 1 mg/kg depending on matrix and DNA preparation	100 reactions	S3628
<b>Brazil nut</b>			
<b>Lateral flow test strips</b>			
bioavid Lateral Flow Brazil Nut incl. Hook Line	Immunochromatographic quick test for the qualitative detection of brazil nut residues; incl. hook line; everything for cleaning control included Detection limit: CIP water: 0.05 µg/mL, surfaces: 0.025 µg/cm <sup>2</sup>	15 test strips Total assay time: 10 min	BLH702-15
<b>Real-time PCR – qualitative and/or quantitative DNA detection</b>			
SureFood® ALLERGEN Brazil Nut	Detection limit: ≤ 0.4 mg/kg; limit of quantification: 1 mg/kg depending on matrix and DNA preparation	100 reactions**	S3617
<b>Cashew</b>			
<b>ELISA microtiter plates</b>			
RIDASCREEN®FAST Cashew	Sandwich ELISA to quantify traces of cashew in food Detection limit: 0.13 mg/kg cashew (matrix dependent)	48 determinations Incubation time: 30 min	R6872
<b>Lateral flow test strips</b>			
bioavid Lateral Flow Cashew incl. Hook Line	Immunochromatographic quick test for the qualitative detection of cashew kernel residues; incl. hook line; everything for cleaning control included Detection limit: CIP water: 0.1 µg/mL, surfaces: 0.08 µg/cm <sup>2</sup>	15 test strips Total assay time: 10 min	BLH710-15
<b>Real-time PCR – qualitative and/or quantitative DNA detection</b>			
SureFood® ALLERGEN Cashew	Detection limit: ≤ 0.4 mg/kg; limit of quantification: 1 mg/kg depending on matrix and DNA preparation	100 reactions**	S3615
<b>Coconut</b>			
<b>Lateral flow test strips</b>			
bioavid Lateral Flow Coconut incl. Hook Line	Immunochromatographic quick test for the qualitative detection of coconut residues; incl. hook line; everything for cleaning control included Detection limit: CIP water: 0.1 µg/mL, surfaces: 0.1 µg/cm <sup>2</sup>	15 test strips Total assay time: 10 min	BLH700-15
<b>Real-time PCR – qualitative DNA detection</b>			
SureFood® ALLERGEN Coconut	Detection limit: ≤ 1 mg/kg; depending on matrix and DNA preparation	100 reactions	S3621

\*\* SureFood® QUANTARD Allergen 40 must be used for quantification.



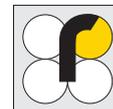


## Allergens

## Nuts and similar

Product	Description	No. of tests/amount	Art. No.
<b>Hazelnut</b>			
<b>ELISA microtiter plates</b>			
RIDASCREEN®FAST Hazelnut	Sandwich ELISA to quantify traces of hazelnut in food; the kit is suitable for automation Detection limit: 0.19 mg/kg hazelnut (0.17 - 0.22 mg/kg matrix dependent)	48 determinations Incubation time: 30 min	R6802
<b>Lateral flow test strips</b>			
bioavid Lateral Flow Hazelnut incl. Hook Line	Immunochromatographic quick test for the qualitative detection of hazelnut residues; incl. hook line; everything for cleaning control included Detection limit: CIP water: 0.1 µg/mL, surfaces: 0.05 µg/cm <sup>2</sup>	15 test strips Total assay time: 10 min	BLH704-15
<b>Real-time PCR – qualitative and/or quantitative DNA detection</b>			
SureFood® ALLERGEN Hazelnut	Detection limit: ≤ 0.4 mg/kg; limit of quantification: 1 mg/kg depending on matrix and DNA preparation	100 reactions**	S3602
<b>Macadamia nut</b>			
<b>Lateral flow test strips</b>			
bioavid Lateral Flow Macadamia incl. Hook Line	Immunochromatographic quick test for the qualitative detection of macadamia nut residues; incl. hook line; everything for cleaning control included Detection limit: CIP water: 0.5 µg/mL, surfaces: 0.1 µg/cm <sup>2</sup>	15 test strips Total assay time: 10 min	BLH705-15
<b>Real-time PCR – qualitative and/or quantitative DNA detection</b>			
SureFood® ALLERGEN Macadamia	Detection limit: ≤ 0.4 mg/kg; limit of quantification: 1 mg/kg depending on matrix and DNA preparation	100 reactions**	S3616
<b>Peanut</b>			
<b>ELISA microtiter plates</b>			
RIDASCREEN® Peanut AOAC-PTM 112102	Sandwich ELISA to quantify traces of peanut in food; the assay is calibrated to NIST SRM 2387 peanut butter; the kit is suitable for automation Detection limit: 0.08 mg/kg peanut (matrix dependent)	96 determinations Incubation time: 50 min	R6811
<b>Lateral flow test strips</b>			
bioavid Lateral Flow Peanut incl. Hook Line	Immunochromatographic quick test for the qualitative detection of peanut residues; incl. hook line; everything for cleaning control included Detection limit: CIP water: 0.5 µg/mL, surfaces: 0.02 µg/cm <sup>2</sup>	15 test strips Total assay time: 10 min	BLH706-15
<b>Real-time PCR – qualitative and/or quantitative DNA detection</b>			
SureFood® ALLERGEN Peanut	Detection limit: ≤ 0.4 mg/kg; limit of quantification: 1 mg/kg depending on matrix and DNA preparation	100 reactions**	S3603
<b>Pecan nut</b>			
<b>Real-time PCR – qualitative and/or quantitative DNA detection</b>			
SureFood® ALLERGEN Pecan	Detection limit: ≤ 0.4 mg/kg; limit of quantification: 1 mg/kg depending on matrix and DNA preparation	100 reactions**	S3618

\*\* SureFood® QUANTARD Allergen 40 must be used for quantification.



## Allergens

### Nuts and similar

Product	Description	No. of tests/amount	Art. No.
<b>Pine nut</b>			
<b>Real-time PCR – qualitative DNA detection</b>			
SureFood® ALLERGEN Pine Nut	Detection limit: ≤ 1 mg/kg depending on matrix and DNA preparation	100 reactions	S3624
<b>Pistachio</b>			
<b>Lateral flow test strips</b>			
bioavid Lateral Flow Pistachio incl. Hook Line	Immunochromatographic quick test for the qualitative detection of pistachio residues; incl. hook line; everything for cleaning control included Detection limit: CIP water: 0.1 µg/mL, surfaces: 0.05 µg/cm <sup>2</sup>	15 test strips Total assay time: 10 min	BLH711-15
<b>Real-time PCR – qualitative and/or quantitative DNA detection</b>			
SureFood® ALLERGEN Pistachio	Detection limit: ≤ 0.4 mg/kg; limit of quantification: 1 mg/kg depending on matrix and DNA preparation	100 reactions**	S3614
<b>Shea nut</b>			
<b>Real-time PCR – qualitative DNA detection</b>			
SureFood® ALLERGEN Shea Nut	Detection limit: ≤ 1 mg/kg depending on matrix and DNA preparation	100 reactions	S3622
<b>Walnut</b>			
<b>ELISA microtiter plates</b>			
RIDASCREEN® Walnut	Sandwich ELISA for the quantitative determination of walnut traces in food; the kit is suitable for automation Limit of detection: 0.12 mg/kg walnut or 0.015 mg/kg walnut protein (matrix dependent)	96 determinations Incubation time: 50 min	R6601
<b>Lateral flow test strips</b>			
bioavid Lateral Flow Walnut incl. Hook Line	Immunochromatographic quick test for the qualitative detection of walnut residues; incl. hook line; everything for cleaning control included Detection limit: CIP water: 2 µg/mL, surfaces: 0.4 µg/cm <sup>2</sup>	15 test strips Total assay time: 10 min	BLH707-15
<b>Real-time PCR – qualitative and/or quantitative DNA detection</b>			
SureFood® ALLERGEN Walnut	Detection limit: ≤ 0.4 mg/kg; limit of quantification: 1 mg/kg depending on matrix and DNA preparation	100 reactions**	S3607

### Seafood

<b>ELISA microtiter plates</b>			
RIDASCREEN®EASY Crustacean*	Sandwich ELISA for the quantitative determination of crustacean traces in food; extraction using an extraction tablet (included in the kit); the kit is suitable for automation Detection limit: 0.15 mg/kg crustacean protein (matrix dependent)	96 determinations Incubation time: 80 min	RAE3001
<b>Lateral flow test strips</b>			
bioavid Lateral Flow Crustacean incl. Hook Line	Immunochromatographic quick test for the qualitative detection of crustacean residues; incl. hook line; everything for cleaning control included Detection limit: CIP water: 2 µg/mL, surfaces: 0.4 µg/cm <sup>2</sup>	15 test strips Total assay time: 10 min	BLH716-15
<b>Real-time PCR – qualitative and/or quantitative DNA detection</b>			
SureFood® ALLERGEN Crustaceans	Detection limit: ≤ 0.4 mg/kg; limit of quantification: 1 mg/kg depending on matrix and DNA preparation	100 reactions**	S3612
SureFood® ALLERGEN Fish	Detection limit: ≤ 1 mg/kg; limit of quantification: 4 mg/kg depending on matrix and DNA preparation	100 reactions**	S3610
SureFood® ALLERGEN Molluscs	Detection limit: ≤ 0.4 mg/kg; ; limit of quantification: 1 mg/kg depending on matrix and DNA preparation	100 reactions**	S3613

\* See patent marking p.77.

\*\* SureFood® QUANTARD Allergen 40 must be used for quantification.



## Allergens

## Various

Product	Description	No. of tests/amount	Art. No.
<b>Real-time PCR – qualitative DNA detection</b>			
SureFood® Apricot	Detection limit: ≤ 5 DNA copies depending on matrix and DNA preparation; qualitative only	100 reactions	S7007
<b>Real-time PCR – qualitative and/or quantitative DNA detection</b>			
SureFood® ALLERGEN Buckwheat	Detection limit: ≤ 0.4 mg/kg; limit of quantification: 1 mg/kg depending on matrix and DNA preparation	100 reactions**	S3620
SureFood® ALLERGEN Celery	Detection limit: ≤ 0.4 mg/kg; limit of quantification: 1 mg/kg depending on matrix and DNA preparation	100 reactions**	S3605
<b>Real-time PCR – qualitative DNA detection</b>			
SureFood® ALLERGEN Insects	Detection of the class <i>Insecta</i> ; Detection limit: < 1 mg/kg depending on matrix and DNA preparation 100 % cross reactivity to arachnids	100 reactions	S3626
<b>ELISA microtiter plates</b>			
RIDASCREEN®FAST Lupine	Sandwich ELISA to quantify traces of lupine in food Detection limit: 0.32 mg/kg lupine protein (matrix dependent)	48 determinations Incubation time: 30 min	R6102
<b>Real-time PCR – qualitative and/or quantitative DNA detection</b>			
SureFood® ALLERGEN Lupin	Detection limit: ≤ 0.4 mg/kg; limit of quantification: 1 mg/kg depending on matrix and DNA preparation	100 reactions**	S3611
<b>Mustard</b>			
<b>ELISA microtiter plates</b>			
RIDASCREEN®EASY Mustard*	Sandwich ELISA for the quantitative determination of traces of mustard in food; the test is calibrated against mustard protein; extraction using an extraction tablet (included in the kit); the kit is suitable for automation Detection limit: 0.02 mg/kg mustard protein (matrix dependent)	96 determinations Incubation time: 50 min	RAE8201
<b>Lateral flow test strips</b>			
bioavid Lateral Flow Mustard incl. Hook Line	Immunochromatographic quick test for the qualitative detection of mustard residues; incl. hook line; everything for cleaning control included Detection limit: CIP water: 1 µg/mL, surfaces: 0,5 µg/cm <sup>2</sup>	15 test strips Total assay time: 10 min	BLH703-15
<b>Real-time PCR – qualitative and/or quantitative DNA detection</b>			
SureFood® ALLERGEN Mustard	Detection limit: ≤ 0.4 mg/kg limit of quantification: 1 mg/kg depending on matrix and DNA preparation	100 reactions**	S3609
SureFood® ALLERGEN Oat	Detection limit: ≤ 1 mg/kg depending on the matrix and DNA preparation	100 reactions	S7004

\* See patent marking p.77.

\*\* SureFood® QUANTARD Allergen 40 must be used for quantification.



## Allergens



### Various

Product	Description	No. of tests/amount	Art. No.
<b>Sesame</b>			
<b>ELISA microtiter plates</b>			
RIDASCREEN®FAST Sesame	Sandwich ELISA to quantify traces of sesame in food; the kit is suitable for automation Detection limit: 0.14 mg/kg sesame (matrix dependent)	48 determinations Incubation time: 30 min	R7202
<b>Lateral flow test strips</b>			
bioavid Lateral Flow Sesame incl. Hook Line	Immunochromatographic quick test for the qualitative detection of sesame residues; incl. hook line; everything for cleaning control included Detection limit: CIP water: 0.2 µg/mL, surfaces: 0.02 µg/cm <sup>2</sup>	15 test strips Total assay time: 10 min	BLH709-15
<b>Real-time PCR – qualitative and/or quantitative DNA detection</b>			
SureFood® ALLERGEN Sesame	Detection limit: ≤ 0.4 mg/kg; limit of quantification: 1 mg/kg depending on matrix and DNA preparation	100 reactions**	S3608
<b>Soya</b>			
<b>ELISA microtiter plates</b>			
RIDASCREEN®FAST Soya	Sandwich ELISA to quantify traces of soy protein in native and processed food; the kit is suitable for automation Detection limit: 0.24 mg/kg (0.15 - 0.32 mg/kg matrix dependent)	48 determinations Incubation time: 30 min	R7102
<b>Lateral flow test strips</b>			
RIDA®QUICK Soya	Immunochromatographic quick test for the qualitative detection of soya residues (native and processed). For sample preparation, RIDA®QUICK Soya accessory pack (Art. No. Z7103) is recommended. For sample preparation from foods, further soya extraction buffer (Art. No. R7113) is needed. Detection limit: on surfaces approx. 0.5 µg soya protein/100 cm <sup>2</sup> , soya flour in wheat flour approx. 0.5 mg/kg soya protein, in processed foods approx. 10 mg/kg soya protein (matrix dependent).	25 dip sticks in reclosable tube, conjugate, extraction buffer, 30 reagent tubes, 25 reaction tubes, 26 swabs, 50 pipette tips Incubation time: 10 min	R7103
bioavid Lateral Flow Soy incl. Hook Line	Immunochromatographic quick test for the qualitative detection of soya residues (native and processed); incl. hook line; everything for cleaning control included Detection limit: CIP water: 0.025 µg/mL, surfaces: 0.05 µg/cm <sup>2</sup>	15 test strips Total assay time: 10 min	BLH712-15
<b>RIDA®QUICK Soya – accessories</b>			
RIDA®QUICK Soya accessory pack	Accessories for the use of the RIDA®QUICK Soya (Art. No. R7103)	Test tube holder, floating rack, pipette	Z7103
RIDA®QUICK Soya Extraction buffer	The buffer is used for food sample preparation in conjunction with RIDA®QUICK Soya (Art. No. R7103)	2 x 100 mL	R7113
<b>Real-time PCR – qualitative and/or quantitative DNA detection</b>			
SureFood® ALLERGEN Soya	Detection limit: ≤ 0.4 mg/kg; limit of quantification: 1 mg/kg depending on matrix and DNA preparation	100 reactions**	S3601
<b>ELISA – accessories</b>			
RIDASCREEN® Allergen extraction buffer	Allergen extraction buffer (AEB) 10-fold concentrate for RIDASCREEN® and RIDASCREEN®FAST allergen product line	100 mL concentrate	RA0038

\*\* SureFood® QUANTARD Allergen 40 must be used for quantification.





## Allergens

## Real-time PCR – multiplex

Product	Description	No. of tests/amount	Art. No.
<b>Multiplex Screening</b>	<b>Real-time PCR – qualitative DNA detection</b>		
SureFood® ALLERGEN 4plex Peanut/Hazelnut/Walnut + IAC	Detection limit: ≤ 0.4 mg/kg peanut ≤ 0.4 mg/kg hazelnut ≤ 0.4 mg/kg walnut; depending on matrix and DNA preparation	100 reactions	S3402
SureFood® ALLERGEN 4plex Soya/Celery/Mustard + IAC	Detection limit ≤ 0.4 mg/kg depending on matrix and DNA preparation	100 reactions	S3401
SureFood® ALLERGEN 4plex Macadamia/Brazil Nut/Pecan + IAC	Detection limit: ≤ 0.4 mg/kg depending on matrix and DNA preparation	100 reactions	S3403
SureFood® ALLERGEN 4plex Almond/Pistachio/Cashew + IAC	Detection limit: ≤ 0.4 mg/kg depending on matrix and DNA preparation	100 Reaktionen	S3406
SureFood® ALLERGEN 4plex EU NUTS	Qualitative detection of tree nuts according to regulation 1169/2011 and peanut. Detection limit: ≤ 1 mg/kg depending on matrix and DNA preparation	100 reactions	S3404
SureFood® ALLERGEN 4plex Cereals	Detection limit: ≤ 1 mg/kg depending on matrix and DNA preparation Qualitative detection and differentiation of specific wheat ( <i>Triticum</i> ), barley ( <i>Hordeum vulgare</i> ) and rye ( <i>Secale cereale</i> ) DNA sequences	100 reactions	S7006
SureFood® 4plex LEGUMES	Qualitative detection of specific DNA sequences of legumes, pea and bean. Detection limit: ≤ 1 mg/kg depending on matrix and DNA preparation	100 reactions	S7008
SureFood® ALLERGEN 4plex SEAFOOD	Qualitative detection of crustaceans/fish/molluscs. Detection limit: ≤ 1 mg/kg depending on matrix and DNA preparation	100 reactions	S3405





## Allergens



### Accessories

Product	Description	No. of tests/amount	Art. No.
<b>ELISA</b>			
RIDASCREEN® Allergen extraction buffer	Allergen extraction buffer (AEB) 10-fold concentrate for RIDASCREEN® and RIDASCREEN®FAST Allergen product line	100 mL concentrate	RA0038
RIDASCREEN®EASY Extraction tablets*	Extraction tablets for the RIDASCREEN®EASY and RIDA®QUICK quant. Allergen product line	50 tablets	RAA0008
<b>Lateral Flow</b>			
RIDA®QUICK quant. evaluation kit	Needed for the quantitative analysis of RIDA®QUICK quant. LFDs via the RIDA®SMART APP Allergen	3x test strip holder 3x RIDA®SMART APP cover	RAL0001
bioavid Absorbionspuffer/Absorbent Buffer	Extraction buffer for preparation of polyphenol containing and strongly colored (e.g. coffee, red wine) or oily samples for bioavid lateral flow kits	15 vials (9 mL buffer each)	BS810-15
<b>Real-time PCR</b>			
<b>DNA preparation</b>			
SureFood® PREP Advanced	For highly processed matrices (food and feed)	50 preparations	S1053
SureFast® Mag PREP Food	For DNA extraction of animal and plant DNA from food and feed For the use in combination with the TANBead Maelstrom™ 4800 (Art. No. ZMAL48)	96 preparations	F1060
<b>Laboratory reference material for quantification</b>			
SureFood® QUANTARD Allergen 40	Laboratory reference material based on corn flour for PCR quantification of allergens requiring labeling in food. It contains the following allergens with a concentration of 40 mg/kg: gluten containing cereals, crustacean, molluscs, egg, fish, peanut, soy, milk, edible nuts, celery, mustard, sesame, lupin and buckwheat.	2 g	S3301
SureFood® QUANTARD Allergen 1 ppm	Laboratory reference material for the determination of the limit of detection and the limit of quantification of the SureFood® ALLERGEN PCR kits. It contains all potentially allergenic food ingredients as listed for SureFood® QUANTARD Allergen 40 in a concentration of 1 mg/kg.	2 g	S3305

**\* Patent Marking:**

If the R-Biopharm products "Cocktail ECO", "Additive ECO" or "Extraction tablets" are used for the processing of food samples, a sulphite-containing extraction agent is used. Food inspection methods using a sulfite-containing extractant as in this product and/or corresponding detection kits are subject to the following patents of MORINAGA & Co., Ltd.: European Patent EP 2 224 239 B1, Australian Patent AU 2008 330 507 B2, United States Patent US 8 859 212 B2, Japanese Patent JP 5 451 854 B2. The patent holder has granted R-Biopharm AG a license to use, and sell products that employ, said protected technology in the above-mentioned territories.





**R-Biopharm Australia**

290-292 Coward Street, Mascot, NSW, 2020, Australia

Phone: +61 (2) 9668 0600

Email: [support@r-biopharm.com.au](mailto:support@r-biopharm.com.au) | [www.r-biopharm.com.au](http://www.r-biopharm.com.au)