



## 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-RI 120601 AACCI 38-50.01 Codex Alimentarius Method (Type I) ICC182	Official R5 Mendez 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 (0.06 - 1.24 mg/kg matrix dependent) resp. 1.0 mg/kg gluten	96 determinations Incubation time: 1 h 30 min	R7001
RIDASCREEN®FAST Gliadin	R5 sandwich ELISA to quantify prolamines from wheat, rye, barley in e.g. food declared as gluten-free; sample extraction with Art. No. R7006/R7016 or Cocktail ECO(Art. No. R7080) (not contained in the kit); the kit is suitable for automation Detection limit: 0.5 mg/kg gliadin (0.14 - 2.10 mg/kg matrix and extraction dependent) resp. 1.0 mg/kg gluten	48 determination Incubation time: 30 min	R7002
RIDASCREEN®FAST Gliadin sensitive	R5 sandwich ELISA to quantify prolamines from wheat, rye and barley. For example, in 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 (0.19 - 2.10 mg/kg matrix dependent) resp. 0.4 mg/kg gluten	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 ICC183	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 an ethanolic solution; the standard material is a hydrolyzate (mixture of wheat, rye and barley); 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 (1.9 - 2.6 mg/kg matrix dependent) resp. 4.6 mg/kg gluten	96 determinations Incubation time: 40 min	R7021
RIDASCREEN® Total Gluten AOAC-OMA 2018.15 "First Action"	R5 based sandwich ELISA for quantification of wheat, rye and barley gluten in oat and oat products; sample extraction with R7006 or R7016 (not contained in the kit) Detection limit: 4 mg/kg gluten (matrix dependent)	96 determinations Incubation time: 50 min	R7041
<b>Accessories</b>			
Cocktail (patented)	Developed by Prof. Mendez; officially recommended extraction buffer for all processed e.g. heat treated food samples in conjunction with R7001, R7002, R7003, R7004, R7051, R7041	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 extraction 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 extraction 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





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## Gluten

Product	Description	No. of tests/amount	Art. No.
<b>Lateral flow test strips</b>			
RIDA®QUICK Gliadin AOAC-OMA 2015.16 „Final Action“ AACCI 38-60.01 AOAC-RI 101702	The immunochromatographic test is based on the R5 antibody and detects prolamines from wheat, rye and barley; the test strips can be used directly for swabs on surfaces or for analysis of e.g. gluten-free raw materials Detection limit: 1.6 - 3.0 µg gluten/100 cm <sup>2</sup> on surfaces, 4.4 mg/kg gluten in raw materials, 6.3 mg/kg gluten in processed food, cleaning/process water (without cleaner) 10 ng/mL gluten, (with cleaner) 50 - 100 ng/mL gluten (matrix dependent)	25 test strips in reclosable tube, 25 plastic pipettes, sample diluent (ready-to-use), 30 vials Incubation time: 5 min	R7003
RIDA®QUICK Gliadin (single packaged) AOAC-OMA 2015.16 „Final Action“ AACCI 38-60.01 AOAC-RI 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-RI 101702	Corresponding to R7003, 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>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® QUANTARD Allergen 40 must be used for quantification.

