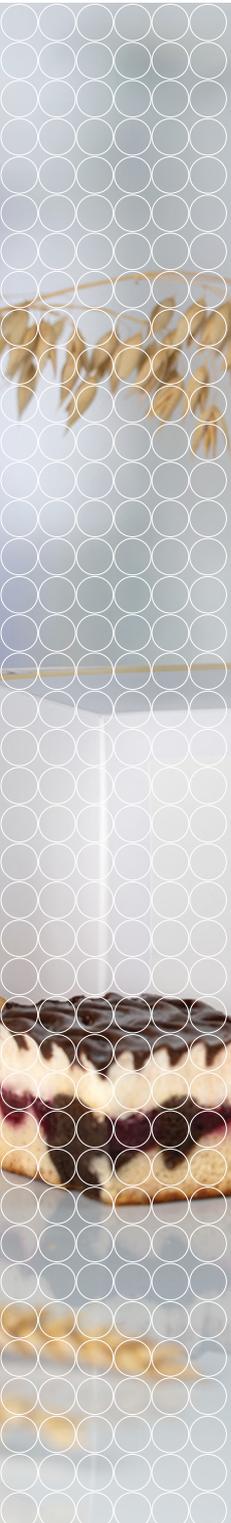




Product Catalogue 2026

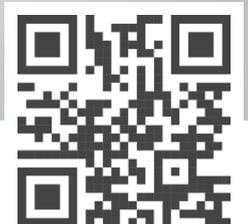
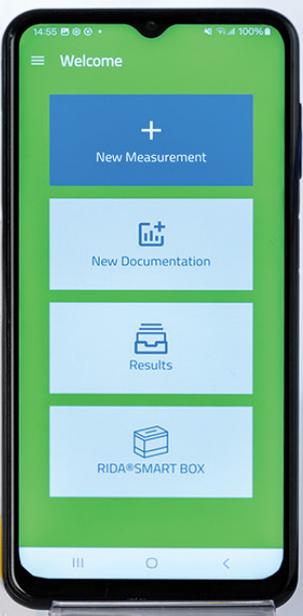
Vitamins



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

REF: RAL7073
LOT: 00000
EXP: 2024-07-05
S: 15
EXP: 2024-07-05
2°C / 8°C

r-biopharm AG
Am der neuen Bergstraße 17
64297 Darmstadt, Germany



Vitamin analysis



Vitamin analysis in food, feed and vitamin containing products

Food products are now being enriched and fortified with vitamins in many forms. But does the amount present in the food at the end of the shelf life match the label on the package?

Food manufacturers, regulatory agencies and commercial laboratories should therefore have analytical methods on hand that allow them to quickly and reliably determine the natural and added vitamin content of food products.

Product testing:

There are different methods for analyzing water soluble vitamins: ELISA, immunoaffinity columns (IAC), microbiological and enzymatic microtiter plate tests. The RIDASCREEN®FAST Vitamin B12 and Folic Acid tests allow a quantitative determination of both vitamins within 1 h.

The total vitamin B12 content is determined without using cyanide. Regarding folic acid the added vitamin content is determined. When using immunoaffinity columns in conjunction with HPLC or LC-MS/MS, the sample is purified and the vitamin is retained by the antibody in the column. Using the EASI-EXTRACT® VITAMIN B12 and BIOTIN (columns), you can determine the total vitamin content. With the EASI-EXTRACT® FOLIC ACID (column) you can only determine added folic acid. Depending on the sample preparation the added or total vitamin content can be determined with the microbiological VitaFast® test. With the enzymatic VitaFast® Vitamin C test in microtiter plate format a determination of total vitamin C content (L-ascorbic acid and L-dehydroascorbic acid) is possible.

VitaFast®

Microbiological tests

- Samples with an added or natural vitamin content can be analyzed
- Method in conformity with official guidelines (§ 64 of the German Food & Feed Act, AOAC)
- AOAC-PTM certification for some VitaFast® tests
- Ready-to-use reagents and standards for 96 determinations
- Results available within 24 - 48 hours



RIDASCREEN®

ELISA

- Determination of total vitamin B12 content
- Determination of added folic acid vitamin
- One sample preparation procedure and one identical sample buffer for RIDASCREEN®FAST Vitamin B12 and Folic Acid
- Results within 1 h
- Ideal for process control



EASI-EXTRACT®

Immunoaffinity columns

- Isolation and concentration of the vitamin
- Pigments and interfering compounds are removed
- High recovery and low coefficient of variation
- Products meet collaborative method performance criteria
- Final Action AOAC methods for certain products





Vitamin analysis

	VitaFast®	EASI-EXTRACT®	RIDASCREEN®	IMMUNOPREP®
	Microbiological / enzymatic tests	Immunoaffinity columns	ELISA	Online immunoaffinity cartridges
Vitamins				
Folsäure (Folic Acid)	●	●	●	
Vitamin B12 (Cyanocobalamin)	●	●	●	●
Vitamin B7 (Biotin)	●	●		
Vitamin B3 (Niacin)	●			
Pantothensäure / Pantothenic Acid	●			
Vitamin B1 (Thiamin)	●			
Vitamin B2 (Riboflavin)	●			
Vitamin B6 (Pyridoxin)	●			
Inositol	●			
Vitamin C (L-Ascorbic Acid)	●			
Multi-Vitamin B		●		

	VitaFast®	
	Spiking standards	Enzyme
Vitamins		
Folic Acid Spiking standard	●	
Vitamin B12 Spiking standard	●	
Vitamin B7 (Biotin) Spiking standard	●	
Pantothenic Acid Spiking standard	●	
Chicken Pancreatin		●



Vitamin analysis

VitaFast®

Product	Description	No. of tests/amount	Art. No.
Microbiological microtiter plates			
VitaFast® Folsäure / Folic Acid AOAC-PTM 100903	Quantitative determination of the total vitamin content (added and natural) or of the added vitamin only Limit of detection: 0.018 µg/100 g (mL)	96 determinations	P1001
VitaFast® Vitamin B12 (Cyanocobalamin) AOAC-PTM 101002	Quantitative determination of the total vitamin content (added and natural) or of the added vitamin only Limit of detection: 0.021 µg/100 g (mL)	96 determinations	P1002
VitaFast® Vitamin B7 (Biotin) AOAC-PTM 101001	Quantitative determination of the total vitamin content (added and natural) or of the added vitamin only Limit of detection: 0.013 µg/100 g (mL)	96 determinations	P1003
VitaFast® Vitamin B3 (Niacin)	Quantitative determination of the total vitamin content (added and natural) or of the added vitamin only Limit of detection: 0.0048 mg/100 g (mL)	96 determinations	P1004
VitaFast® Pantothensäure / Pantothenic Acid AOAC-PTM 100904	Quantitative determination of the total vitamin content (added and natural) or of the added vitamin only Limit of detection: 0.0035 mg/100 g (mL)	96 determinations	P1005
VitaFast® Vitamin B1 (Thiamin)	Quantitative determination of the total vitamin content (added and natural) or of the added vitamin only Limit of detection: 0.008 mg/100 g (mL)	96 determinations	P1006
VitaFast® Vitamin B2 (Riboflavin) AOAC-PTM 100902	Quantitative determination of the total vitamin content (added and natural) or of the added vitamin only Limit of detection: 0.0018 mg/100 g (mL)	96 determinations	P1007
VitaFast® Vitamin B6 (Pyridoxin)	Quantitative determination of the total vitamin content (added and natural) or of the added vitamin only Limit of detection: 0.0002 mg/100 g (mL)	96 determinations	P1008
VitaFast® Inositol	Quantitative determination of the total vitamin content (added and natural) Limit of detection: 0.5 mg/100 g (mL)	96 determinations	P1009
Enzymatic microtiter plate			
VitaFast® Vitamin C (L-Ascorbic Acid)	Quantitative determination of vitamin C (L-ascorbic acid and L-dehydroascorbic acid) possible Limit of detection: 7.8 mg/100 g (mL)	50 determinations	P1010
Spiking standards			
VitaFast® Folsäure / Folic Acid Spiking standard	Folic acid in solid form	3 vials	P3001
VitaFast® Vitamin B12 (Cyanocobalamin) Spiking standard	Cyanocobalamin in solid form	3 vials	P3002
VitaFast® Vitamin B7 (Biotin) Spiking standard	D-Biotin in solid form	3 vials	P3003
VitaFast® Pantothensäure / Pantothenic Acid Spiking standard	Ca-D-Pantothenat in solid form	3 vials	P3005
Enzyme			
VitaFast® Chicken Pancreatin	Enzyme for sample preparation for determination of natural folic acid	1 vial for 50 sample preparations	P2002





Vitamin analysis

RIDASCREEN®

Product	Description	No. of tests/amount	Art. No.
ELISA microtiter plates			
RIDASCREEN®FAST Vitamin B12	Enzyme immunoassay for quantitative analysis of total vitamin B12 in fortified food and vitamin products	48 determinations Incubation time: 25 min	R2103
RIDASCREEN®FAST Folsäure (Folic Acid)	Enzyme immunoassay for quantitative analysis of added folic acid in fortified food and vitamin products	48 determinations Incubation time: 25 min	R3203



EASI-EXTRACT®

Immunoaffinity columns			
EASI-EXTRACT® VITAMIN B12	Immunoaffinity columns for sample clean-up prior to the analysis of vitamin B12 using HPLC or LC-MS/MS	10 columns (3 mL format) 50 columns (3 mL format)	RBRP80 RBRP80B
EASI-EXTRACT® VITAMIN B12 (LGE) AOAC 2014.02 „Final Action“	Immunoaffinity columns for sample clean-up prior to the analysis of vitamin B12 using HPLC or LC-MS/MS	10 columns (10 mL format) 50 columns (10 mL format)	RBRP88 RBRP88B
EASI-EXTRACT® FOLIC ACID	Immunoaffinity columns for sample clean-up prior to the analysis of folic acid using HPLC or LC-MS/MS	10 columns (3 mL format) 50 columns (3 mL format)	RBRP81 RBRP81B
EASI-EXTRACT® BIOTIN AOAC 2016.02 „Final Action“ Official recommended Codex method	Immunoaffinity columns for sample clean-up prior to the analysis of biotin using HPLC or LC-MS/MS	10 columns (3 mL format) 50 columns (3 mL format)	RBRP82 RBRP82B
EASI-EXTRACT® MULTI-VIT B (LGE)	Immunoaffinity columns for sample clean-up prior to the analysis of biotin, vitamin B12 and folic acid using HPLC or LC-MS/MS	10 columns (10 mL format) 50 columns (10 mL format)	RBRP183 RBRP183B



IMMUNOPREP® ONLINE automated analysis

Online Immunoaffinity columns			
IMMUNOPREP® ONLINE VITAMIN B12	Online immunoaffinity cartridges used in conjunction with the CHRONECT Symbiosis RIDA®CREST handling system for the automated clean-up and analysis of vitamin B12 with HPLC	48 cartridges 96 cartridges	RBRP800/48 RBRP800





R-Biopharm Australia

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

Phone: +61 (2) 9668 0600

Email: support@r-biopharm.com.au | www.r-biopharm.com.au