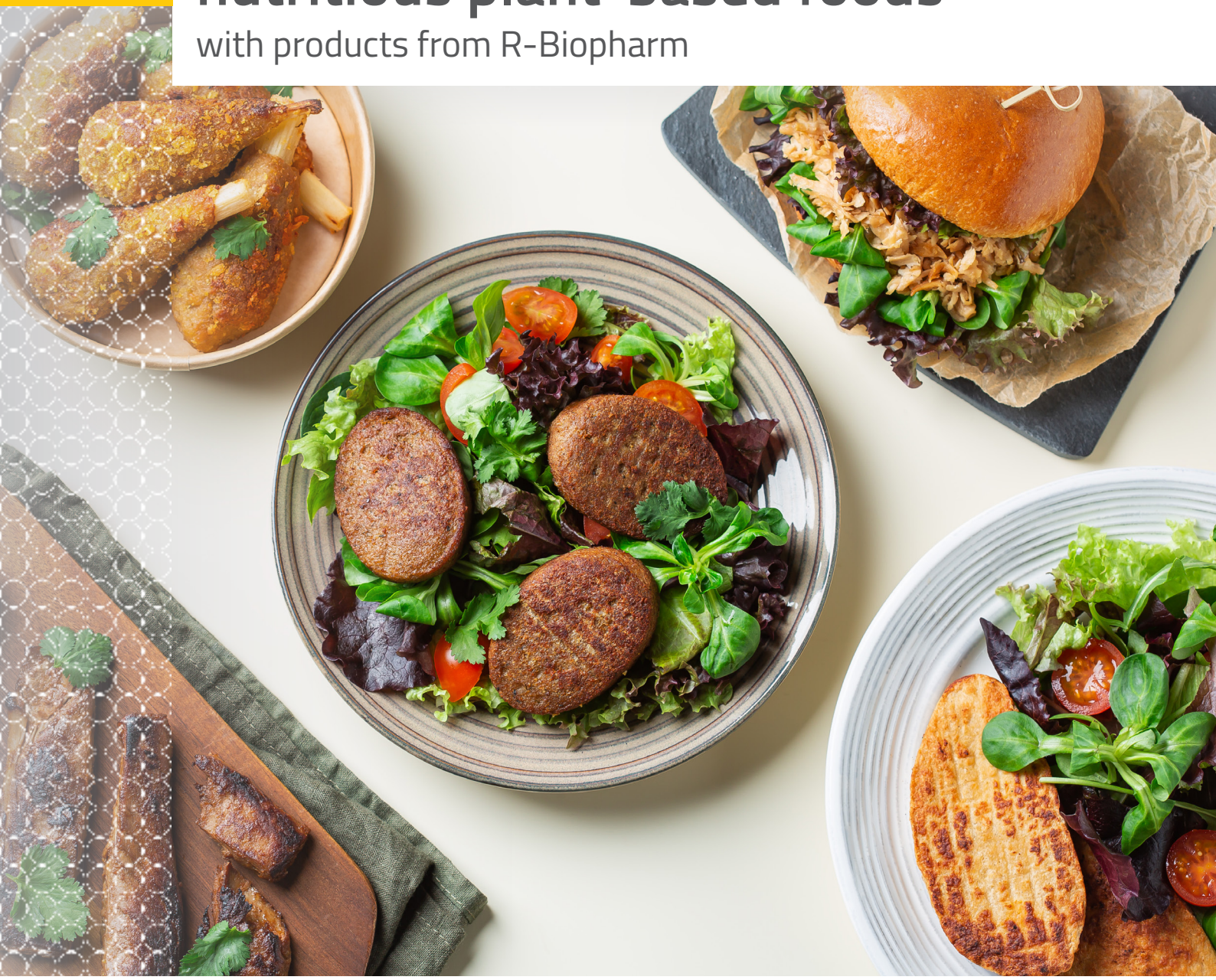
Ensuring safe and nutritious plant-based foods

with products from R-Biopharm



Comprehensive solutions: Find all the necessary test kits for streamlined testing processes

Time and cost efficiency: Save time & resources with a consolidated approach

Expert support: Benefit from our experienced team's guidance & insights

More information:

https://r-b.io/plant-based

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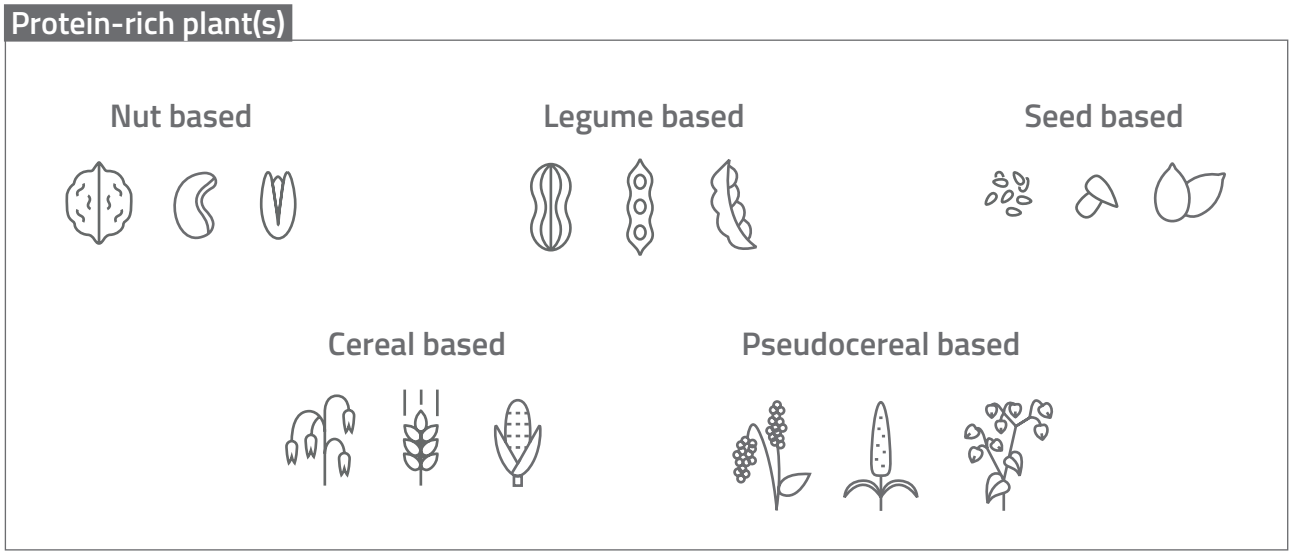
Production process of plant-based food substitutes



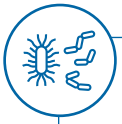
Possible food safety risks

Allergens

Many plant proteins are known allergens, including nuts, soy, wheat, and legume based proteins. Rigorous allergen testing ensures your products are safe for consumption by sensitive individuals.

Mycotoxins

Mycotoxins are toxic metabolites produced by molds. Cereals as wheat, corn, barley and nuts are vulnerable to mycotoxin contamination which can have serious acute and chronic effects on the health of humans as well as animals. Mycotoxin analysis of food and feed is therefore necessary and often required by legislation.



Microbial growth

Their near-neutral pH, high protein and moisture content, makes plant-based foods susceptible to microbial spoilage. Identify potential pathogens that could compromise product safety and consumer health.

Cross-contamination from animal ingredients to plant-based foods

This risk is particularly high at manufacturing facilities that handle animal-derived ingredients such as milk and egg. Verify the absence of animal traces, meeting the expectations of conscious consumers.

Non-GMO verification

Are plant proteins (especially those from soy) are obtained from genetically modified sources?

Nutritional value – fortification and nutrient enhancement

Vitamin fortification

Ensure vitamins are present at desired levels, delivering the promised nutritional benefits.

Protein enrichment

Detect incorporated plant-based protein sources (e.g., pea, soy).

Empowering insightful production and uncompromised safety

Product	Description	No. of tests/amount	Art. Nr.
Allergens			
RIDASCREEN®FAST Milk AOAC-RI 101501	Sandwich ELISA to quantify traces of milk proteins (casein and β-lactoglobulin) in food	48 determinations	R4652
RIDASCREEN® Egg	Sandwich ELISA to quantify traces of native and processed egg	96 determinations	R6411
SureFood® ALLERGEN 4plex Soya/Celery/Mustard	Real-time PCR multiplex kit for qualitative detection	100 reactions	S3401
SureFood® ALLERGEN 4plex EU NUTS	Real-time PCR multiplex kit for qualitative detection of tree nuts according to regulation 1169/2011 and peanut	100 reactions	S3404
SureFood® 4plex LEGUMES	Real-time PCR multiplex kit for qualitative detection of specific DNA sequences of legumes, pea and bean	100 reactions	S7008
Microbiology			
SureFast® Salmonella ONE MicroVal 2014LR43; ISO 16140-2	Real-time PCR for qualitative DNA detection; Kit includes DNA preparation	100 reactions/ 100 preparations	F5211
SureFast® Listeria 3plex ONE	Real-time PCR for qualitative DNA detection and differentiation of *Listeria* spp. und *Listeria monocytogenes*; kit includes DNA preparation	100 reactions/ 100 preparations	F5217
SureFast® STEC 4plex ONE	Real-time PCR for qualitative detection and differentiation of *Escherichia coli* virulence factors stx1 (subtype a-d), stx2 (subtype a-g), eae and *Escherichia coli* Serotype O157; kit includes DNA preparation	100 reactions/ 100 preparations	F5265
Mycotoxins			
RIDASCREEN® Aflatoxin B1 30/15	Enzyme immunoassay for quantitative determination of aflatoxin B1 in cereals and feed Detection limit: 1 µg/kg (cereals), 1.7 µg/kg (soy), 2 µg/kg (dry cat food), 4 µg/kg (feed)	96 determinations Incubation time: 45 min	R1211
RIDA®QUICK Aflatoxin RQS	Immunochromatographic test for the quantitative determination of aflatoxin in corn in combination with RIDA®SMART APP software Detection limit: < 2 µg/kg	20 strips Incubation time: 3 min	R5208
RIDA®QUICK DON RQS ECO	Immunochromatographic test for the quantitative determination of aflatoxin in corn in combination with RIDA®SMART APP software Detection limit: < 0.15 mg/kg	20 strips Incubation time: 3 min	R5911
RIDSCREEN®FAST DON AOAC-PTM 000701	Enzyme immunoassay for quantitative determination of DON in cereals, malt and feed Detection: < 0.2 mg/kg	96 determinations 48 determinations Incubation time: 8 min	R5901 R5902
Animal ID			
SureFast® VEGAN	Real-time PCR for the sensitive detection of animal (vertebrates) or plant matrix including a positive control of 0.1% bovine DNA	100 reactions	F4055
GMO			
SureFood® GMO SCREEN 4plex 35S/NOS/FMV + IAC	Real-time PCR for qualitative DNA detection	100 reactions	S2126
SureFood® GMO SCREEN 4plex BAR/NPTII/PAT/CTP2:CP4 EPSPS	Real-time PCR for qualitative DNA detection	100 reactions	S2127
Vitamin			
VitaFast® Vitamin B12 (Cyanocobalamin) AOAC-RI 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

Contact us today for your plant-based foods analytics needs:
sales@r-biopharm.de