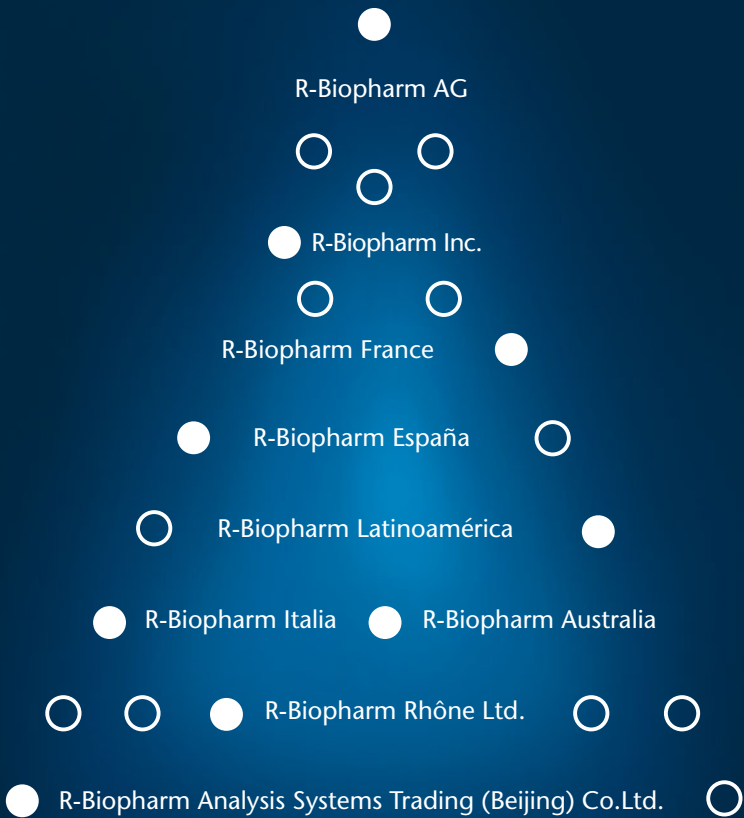


Season's Greetings
and thank you for the good cooperation.



We wish you all the
best for the New Year.

New products

RIDA[®]COUNT Adapter (Art. No. ZRA-MAS100) for MAS-100[®] air sampler

Available from R-Biopharm in 2009!

Keeping the ambient air in production areas virtually germ-free is crucial, particularly in sensitive areas of the food industry, such as filling and packaging. As it is generally difficult to keep the number of microbial organisms in production rooms low, regular and reliable control of ambient air is essential. The RIDA[®]COUNT Adapter makes it possible to use RIDA[®]COUNT test cards with the MAS-100[®] air sampler (Merck/VWR) for collection of airborne microbes. RIDA[®]COUNT, when used in conjunction with the MAS-100[®] air sampler, provides an easy and efficient method for quantitative detection of airborne microorganisms. The top layer of RIDA[®]COUNT test cards is specially conditioned to substantially reduce the damage to microorganisms that can occur when using conventional agar plates for microbial air sampling. This greatly eliminates the sampling method-related reduction of microbial counts. Therefore, determined microbial counts can be calculated directly as a factor of the air intake volume. Because the test cards are dry when inserted into the sampler and because they

are not activated (by addition of 1 ml NaCl solution) until after completion of measurement, they remain functional after sampling, even after long-term measurements.

Moreover, use of the test cards for microbial testing reduces the time and effort required for agar plate preparation, storage and transport. RIDA[®]COUNT test cards can be taken directly from the foil packaging and inserted into the sampler. The only preparation required is one-time installation of the adapter, which is placed in the plate holder on the sampling head of the MAS-100[®], adjusted and locked in place.



MAS-100[®] sampler with RIDA[®]COUNT Adapter in place

Our products

RIDASCREEN[®]FAST Gliadin (R7002) – Changed sample preparation

About two years ago, based on the scientific recommendation of Prof. Dr. E.

Mendez and the results of an inter-laboratory study by the Prolamin Working Group, we recommended the exclusive use of Cocktail Solution for the preparation of samples for the RIDASCREEN[®] Gliadin test.

Now, we also would like to extend this recommendation to RIDASCREEN[®]FAST Gliadin. Ethanol extraction should now be used only for preparation of „true“ raw materials. We define „true“ raw materials as 100%

pure, unprocessed and non-heat-treated foods.

The newly developed RIDA[®] Extraction Solution, which works on the same chemical principle as Cocktail Solution and produces comparable results, can now be used as an alternative to Cocktail Solution. RIDA[®] Extraction Solution has two advantages: it is not only more economical, but also requires less time for sample preparation. Cocktail Solution (Art. No. R7006) and RIDA[®] Extraction Solution (Art. No. R7099) are not included in the test kit and must be ordered separately.

RIDASCREEN[®]FAST Mandel/Almond (R6902) – Increased specificity

One of the basic policies of R-Biopharm is to provide our customers with test kits that meet the high demands of practice. For this reason, R-Biopharm's Research and Development Department is continuously striving to refine and optimize the test kits existing on the market. One of the products of this continuous research effort is the improved RIDASCREEN[®]FAST Almond test. With RIDASCREEN[®]FAST Almond, we have

successfully eliminated cross-reactivity with hazelnut, pecan, sunflower seed, sesame, and lima bean by replacing certain antibodies, thus improving the specificity of the test.

For the user, the new test means that it will be possible to detect trace amounts of almond or almond contamination in the future, even in the presence of other nuts, particularly hazelnut.

RIDASCREEN® Chinolone (R3113) – New Application Note

For the RIDASCREEN® Chinolone test (R3113) a common application note is available on request for

- meat (beef, pork and poultry)
- shrimps and
- honey

The optimized extraction method has a higher sensitivity than the previously available meat and shrimps sample preparation methods (as described in the product information of the RIDASCREEN® Chinolone

test). The limit of detection (LOD) was lowered from 5 ppb for meat and 2.5 ppb for shrimps to 0.5 ppb for both. For honey samples, the LOD was determined to be 1 ppb. In all tested matrices, the recovery rate was in the range of $100 \pm 10\%$. This new application note can be used with the currently available RIDASCREEN® Chinolone test (R3113). The simple sample preparation for meat and shrimp, as described in the product information, is still maintained.



SureFood® PCR products from our partner CONGEN Biotechnologie GmbH, Berlin

SureFood® ALLERGEN Pistachio (Art. Nr. S3114), a new qualitative real-time PCR test

Pistachios (*Pistacia vera*) are members of the *Anacardiaceae* family. Botanically, the fruit of the pistachio tree is not classified as a true nut but a drupe (stone fruit). In the food industry, pistachios are produced for direct consumption, but they are mainly used as an ingredient in sweets, such as pastries, cookies and ice cream, as well as in meat products.

Allergic reactions to pistachios are relatively rare, but pistachio allergy can be associated with anaphylactic reactions and occur even in infants. Failure to list pistachio as an ingredient in ice cream can cause problems for pistachio allergy sufferers. On the other hand, it has been found that some ice cream samples declared as „pistachio ice cream“ did not contain any pistachio at all. Since November, R-Biopharm supply a real-time 100-reaction PCR test kit for specific, qualitative detection of pistachio with a sensitivity of ≤ 5 DNA copies / ca. ≤ 10 ppm.

If you are interested in our products,

please contact your local distributor.

Information from R-Biopharm Rhône, Scotland

Launch of first multi-mycotoxin immunoaffinity columns

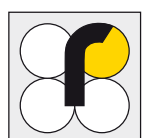
R-Biopharm Rhône Ltd is pleased to announce the launch of their new AFLAOCHRA PREP® immunoaffinity columns (RBRP89 / RBRP89B) for the simultaneous analysis of aflatoxin B₁, B₂, G₁, G₂ and ochratoxin A in a range of foods by HPLC. Aflatoxins and ochratoxin A are toxic metabolites produced by the fungi, *Aspergillus* and *Penicillium*. Due to the growth of these fungi in a wide range of commodities including cereal, dried fruit and spices, it is necessary to test such products for the presence of aflatoxins and ochratoxin A prior to their incorporation into other foodstuffs or feed.

The AFLAOCHRA PREP® procedure is based on monoclonal antibody technology, which makes the test highly specific, sensitive, rapid and simple to perform. Only one ex-

traction is required per sample to analyse for aflatoxins and ochratoxin A and both toxins can be detected in a single HPLC run. The kit has been proven to give excellent recoveries and has a limit of detection below international legislative limits. AFLAOCHRA PREP® has the added advantage in that it can be automated for large-scale analysis of samples.

AFLAOCHRA PREP® immunoaffinity columns have been evaluated for the detection of simultaneous analysis of aflatoxins and ochratoxin A in a range of food types. To date cereals, dried fruit and spices have been successfully analysed in-house using the protocols outlined in the instructions for use. In addition FAPAS® samples have been analysed using the AFLAOCHRA PREP® immunoaffinity columns and results were found to lie within the recommended specifications.

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Work starts on new building for R-Biopharm Rhone, Glasgow

Work has started on the new R-Biopharm Rhône premises in Glasgow. The ground works commenced in August, the foundations were laid in September and the frame has started to be erected in November. Completion of this new purpose built facility is scheduled for Spring-2009.

Currently, R-Biopharm Rhône have two premises on the Kelvin Campus, West of Scotland Science Park however space is restricted and expansion is required in order to increase our laboratory, production and warehouse facilities. The current site in Glasgow is 9,000 square feet, houses approximately 40 staff and comprises of offices, research labs, production, quality assurance and warehouse facilities.

R-Biopharm Rhône is investing in the expansion of the building in order to house all departments under one roof and increase the total area of the company by approximately 65 % which will help us to build our business further. The new premises will also be located in the West of Scotland Science Park in the Todd Campus located directly across the road from our current premises in the Kelvin Campus.

New and updated IFUs and application notes

Our research department is continually working to improve our instructions for use (IFUs) and methods. As a result some modifications and improvements have been made to the following IFUs and application notes.

The following kits have been affected:

RBRP50/RBRP50B	DONPREP®	improved HPLC
RBRP80/RBRP80B	EASI-EXTRACT® VITAMIN B12	improved Gradient
RBRP81/RBRP81B	EASI-EXTRACT® FOLSÄURE	improved Gradient

We have just released a new application note for the detection of Vitamin B12 in animal feed using EASI-EXTRACT® VITAMIN B12. This method uses a double enzymatic digestion which breaks down the sample allowing excellent detection of the vitamin from the matrix.

Please contact your local distributor for further information on the full range of application notes available.

Fairs and Conferences

10.1. – 13.1.2009

ARABLAB The Expo 2009

Dubai – International Convention and Exhibition Centre

Representative: R-Biopharm AG

(Please contact Mr. Ronald Niemeijer,

r.niemeijer@r-biopharm.de, if you would like to schedule an appointment at the convention.

For further information on this event see: www.arablab.com)

26.1. – 28.1.2009

Rapid Methods EUROPE 2009

Noordwijkerhout, Netherland

Representative: R-Biopharm AG



The next R-Biopharm^{news} will be published during the 1st quarter 2009

R-Biopharm^{news} is edited by

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