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About us

R-Biopharm – We Have Moved!

Since the first week of April, R-Biopharm AG has been located at its new company headquarters. Twenty-one years after the company was founded in 1988, all of the departments including the warehouse are now united under one roof. There will be a transition period but these changes will result in an improvement of workflow processes that you, the customer, will notice in the future.

The move proceeded as scheduled and with no major problems for the most part. However, delays and complications did occur in some workflow areas in the first few weeks after the move. We wish this had been different for our customers' sake.

As the reorganization and restructuring of the warehouse was the main area affected, this also had an impact on the processing and delivery of orders.

New Address!

R-Biopharm AG
An der neuen Bergstraße 17
64297 Darmstadt, Germany

The telephone numbers and
E-mail addresses will remain
the same!

We would like to take this opportunity to apologize to all customers who may have been affected by delays or wrong deliveries and any other problems that may have occurred during the processing of their orders.

Once these initial difficulties have been overcome, we are confident that our service will be to your satisfaction and that we may continue to count you among our satisfied customers in the future.

R-Biopharm website: www.r-biopharm.com

We are proud to announce that our website is now completely available in six languages.

Til now the languages **english, german, chinese, french, italian and turkish** can be selected by the button right onto the start page: *choose language*.

It would give us great pleasure, if you will take the opportunity visiting our website, perhaps in your native language!

New Products

Expansion of RIDA[®]COUNT Product Portfolio



The RIDA[®]COUNT product range has traditionally included culture media for determination of total bacteria, coliform bacteria, Salmonella, *Staphylococcus aureus*, *E. coli*, *E. coli*/coliform bacteria, yeast and mould, and Enterobacteriaceae.

R-Biopharm is pleased to announce that an innovative new test card is now being added to expand this product portfolio.

RIDA[®]COUNT Salmonella/Enterobacteriaceae (R1010) is currently in the test phase and is scheduled to be released in the summer of 2009. The system allows the user to determine the total number of enterobacteria contained in a sample while simultaneously differentiating Salmonella (light blue) from other enterobacteria (red-violet to indigo blue) present in the sample. Particularly after pre-enrichment of samples for Salmonella

testing, chromogenic differentiation is useful for achieving direct identification of Salmonella while avoiding confusion with *Citrobacter* or *Proteus*.

In addition to launching this unique new product, the composition of the RIDA[®]COUNT Staph. aureus (R1005) test card medium was modified by our product developers in order to achieve improved identification of *Staphylococcus aureus* through unmistakable colonies with simultaneous background reduction. Staph. aureus colonies growing on the RIDA[®]COUNT test card appear as a black central zone surrounded by a blue halo. Color changes in culture media that can be induced by various sample matrices are no longer a problem for the new and improved RIDA[®]COUNT Staph. aureus. The new test cards replacing the older version should be available starting in July/August 2009.

Our Products

Use of RIDASCREEN[®]FAST Casein and FAST Ei/Egg Protein in Red and White Wine



Milk and egg proteins are traditionally used to clarify and improve the appearance of red and white wines.

Preliminary tests have shown that residues from these substances used in wine production can induce allergic reactions in persons sensitive to milk and egg proteins.

Directives 2007/68/EC and 2005/26/EC state that these allergens must be included on product labels, however, the requirement to indicate the use of egg and milk products applies to all wines labeled after 31 December 2010.

At present the labeling is compulsory, even if the wine might not contain egg protein or milk residues. As no threshold values have been set so far, one should use a detection method with the highest level of sensitivity possible.

In sample preparation, wine samples are diluted in extraction buffer at a ratio of 1:20, incubated at 60 °C for 10 minutes and then centrifuged.

The monoclonal antibodies used in the RIDASCREEN[®]FAST Casein (R4602) sandwich ELISA are highly specific for detection of α , β and κ -caseins in cow's milk in raw and cooked form (i.e. after heat processing). In tests conducted in a number of different red and white wines, matrix interference was not detected and the detection limit was

determined to be 0.1 mg/L. Using a wine with a known content of 3.5 mg/L, intra-assay variance of 4.7 % and inter-assay variance of 7.5 % was observed. Recovery rates after the addition of casein, skimmed milk powder and heat-treated milk to wine ranged from 83 to 115 %.

The polyclonal antibodies in the RIDASCREEN[®]FAST Ei/Egg Protein (R6402) sandwich ELISA mainly detect the egg white proteins ovalbumin and ovomucoid at their natural concentration levels in raw and cooked form. Slight cross-reactivity with ovotransferrin was observed. Matrix interference was not observed, and the detection limit was determined to be 0.5 mg for whole egg powder/l (corresponding to 0.08 for egg white protein/l). The test is calibrated against NIST RM 8445 Standard. In red wine with a known content of 2 mg/l, inter-assay variance was found to be 11.2 % and intra-assay variance 7.3 %. Recovery of egg white extract from red and white wine ranged from 90 to 120 %.

Through the ease of sample preparation, overlapping utilization of wine extracts and use of highly specific antibodies, the test kit makes it possible to perform a rapid and efficient analysis while satisfying the stringent requirements for the detection of allergens in wine.

Results with the RIDASCREEN®FAST Ei/Egg Protein Test

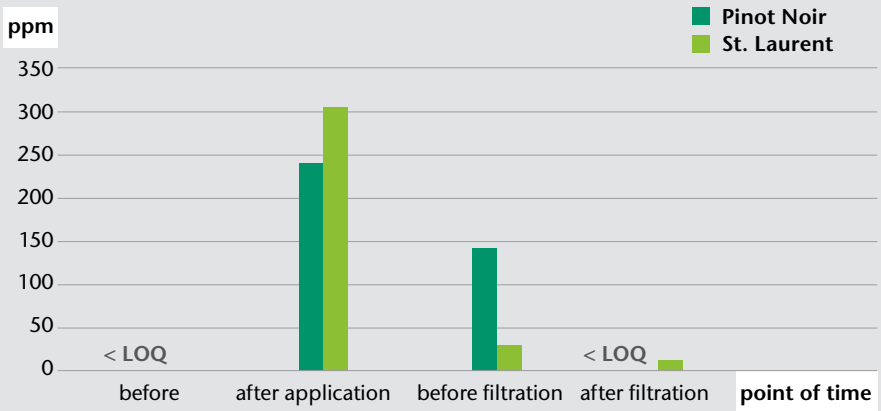


Figure:

Determination of egg proteins in Pinot noir and St. Laurent before and after addition of the fining agent egg white (1 L per 1000 L wine), 24 h after addition (directly before filtration) and after filtration using bentonite.

The results are given as ppm whole egg powder; the limit of quantification (LOQ) is 0.5 ppm.

Informationen from R-Biopharm Rhône (RBR), Scotland

IFE 2009



The International Food Exhibition 2009 took place at ExCel in London from the 15th to the 18th March.

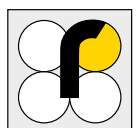
Once again it was an excellent opportunity for exhibitors from over 40 countries, 600 from the UK alone, to increase their

competitive advantage by sourcing a diverse range of innovative and consumer driven products from around the world. Members of our sales team, Derek Findleton our UK Sales Manager and Victoria Jordan both attended and found it very worthwhile both in terms of meeting both new and existing customers.

News

The Food Standards Agency has issued Allergy alerts concerning the following products in the UK:

- **Chunky Vegetable Soup (330g):** Chicken and vegetable soup has been incorrectly packaged into the Chunky Vegetable soup packs, therefore the product contains gluten which has not been declared on the label.
- A popular chocolate manufacturer has withdrawn 50g milk chocolate bars for containing soya which has not been declared on the label.
- Some chocolate fudge brownie low fat ice-cream has been withdrawn due to the packaging being in Dutch. This may be a health risk for non-Dutch speakers who are sensitive to egg, milk, soya or gluten.
- A leading supermarkets breaded ham contains egg and gluten which has not been declared on the label.



New!

Launch of new format Vitamin B12 columns for Nestlé

RBR have recently introduced EASI-EXTRACT® VITAMIN B12 (LGE) immunoaffinity columns (RBRP88). This column contains an integrated/built-in reservoir with a tightly fitting top and bottom cap and was specifically designed for a Nestle Group study.

Although the original EASI-EXTRACT® VITAMIN B12 columns met the performance criteria set by most labs, Nestle required more stringent performance criteria and felt that the reproducibility of results between labs could be improved by modifying the format of the column.

The new EASI-EXTRACT® VITAMIN B12 columns were designed without a top frit and contained a built-in reservoir to allow the sample extract and the antibody gel to mix more thoroughly to further improve repeatability and reproducibility. The new columns

are however more expensive to manufacture, thus adding to the cost of the new product.

The Nestle study using EASI-EXTRACT® VITAMIN B12 (LGE) was extremely successful and as a result Nestle have recommended the new format columns for official use by the Nestle Group. A new publication showing the results and conclusions of the Nestle study has recently been published in the Journal of AOAC.

The new EASI-EXTRACT® VITAMIN B12 (LGE) is currently in stock and is recommended for use by customers who would like to use the improved manipulation method and who are willing to pay the extra cost. Please note that the original EASI-EXTRACT® VITAMIN B12 column (RBRP80/80B) will be supplied as before.

If you are interested in our products,

please contact your local distributor.

Fairs and Conferences Representatives: R-Biopharm AG



08.06. - 10.06.2009	AOAC Midwest, Des Moines, USA
15.06. - 17.06.2009	31. Mycotoxin Workshop, Halle Münsterland, Münster, Germany
22.06. - 24.06.2009	11. Professional Symposium for Food-Microbiology, Wildbad Kreuth, Germany
23.06. - 24.06.2009	Cereal Trading Day, Burg Warberg, Germany
07.09. - 09.09.2009	IAFP European Symposium, Berlin, Germany
07.09. - 10.09.2009	AgriFood Antibodies, Finland
09.09. - 11.09.2009	ISM Conference, Finland
09.09. - 11.09.2009	Mycotoxin Congress, Tulln, Austria
13.09. - 16.09.2009	AOAC Annual Meeting, Philadelphia, USA
14.09. - 19.09.2009	Drinktec, Munich, Germany

The next R-Biopharm^{news} will be published in the IIIrd quarter 2009.

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