

# Proficiency testing schemes MYCOTOXINS

## quality assurance program on MYCOTOXINS

With the beginning of the year 2014 cooperation between R-Biopharm, Trilogy Analytical Laboratory and the German reference office for proficiency testing and reference material (DRRR) starts.

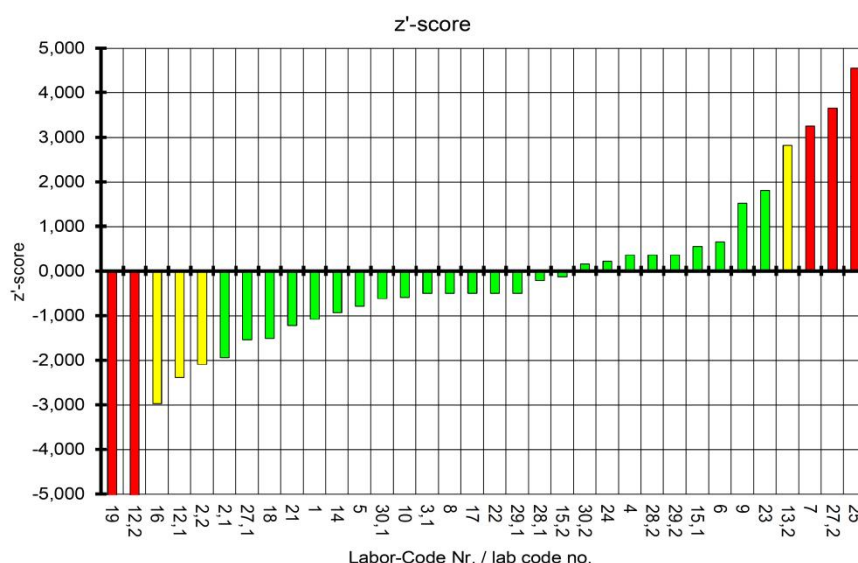
In cooperation a customized quality assurance system will be offered to ensure the accuracy of the testing of mycotoxins in cereals and feed. Proficiency testing schemes and reference materials for mycotoxin analytics e.g. **Aflatoxin, DON, Ochratoxin, Fumonisin, Zerealenone will be available in various matrices e.g. corn, wheat, barley and brown rice as well as in feed products.**

The entire program as well as the timetable and prices you will find attached.

Each proficiency testing type is designed in the following way: a set of 3 samples in the displayed concentration range is provided. In general one blank sample is part of the sample set. So the participants can demonstrate their ability to ensure the accuracy of their results in different concentration ranges. At the same time the laboratories fulfill an important part of the requirements in method validation.

### Participants benefit:

- ▶ Significant increase of a laboratories performance and quality
- ▶ Fast development of a laboratories performance and quality
- ▶ Saving on the costs of development and maintenance
- ▶ Saving on the working time
- ▶ Saving on the costs for raw materials
- ▶ Reliable external presentation towards costumers, authorities and certification authorities



# Proficiency testing schemes MYCOTOXINS

## About us

We, the German reference office for proficiency testing and reference materials (DRRR) are a service company for external quality assurance of laboratories of food economy and an inspection body and proficiency testing provider accredited (accredited since 2009) according to ISO 17043:2010.

We offer reference materials, proficiency testing (PT), advice on quality matters and quality assurance training. Our German and international customers are companies of the food and dairy economy, state laboratories as well as food and veterinary inspection services. We provide advice to our customers in all questions of validation of chemical, physical, microbiological and sensory analysis or statistical matters. We assist our customers to build up quality management systems according to several international standards like ISO 9001, IFS, DIN EN ISO 17025. On regular basis we run laboratory assessments according 17025.

## **Organization of PTs**

Two weeks before the shipment of the samples the participants get an announcement letter with information about the general procedure of the PT and the possibility to order additional sample sets.

The participants will have four weeks for testing the samples and submitting the results. At latest three weeks after the deadline of transmitting results the participants will get the report optional as hardcopy by regular mail or as pdf-file including a participation certificate with overview of the lab performance.

## **Ease of use for participants:**

- ▶ The DRRR systems provides high comfort customer related procedures.
- ▶ There are only three steps to do for the customers: First is to register, second is to analyze the PT samples and third is to submit results.
- ▶ The customers receive all information, reports and instructions in English.
- ▶ The results can be submitted via fax, e-mail or online on our website.
- ▶ Technical service by phone or email is available in English and German by our DRRR-scientific expert team.

**To assure your quality please register!  
For further information contact us or visit our website**

[www.DRRR.de](http://www.DRRR.de)

### contact DRRR:

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# Mycotoxin proficiency testings CHEMISTRY



## schedule 2014

| proficiency testing type | requested parameters                              | schedule 2014 |          |       |       |     |      |      |        |           |         |          |          |   |
|--------------------------|---|---------------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|---|
|                          |   | January       | February | March | April | May | June | July | August | September | October | November | December |   |
| <b>CEREALS</b>           |   |               |          |       |       |     |      |      |        |           |         |          |          |   |
| Corn                     | aflatoxin - low level<br>1.00 ppb - 30.00 ppb     |               |          |       |       |     |      |      | x      |           |         |          |          |   |
| Corn                     | aflatoxin - high level<br>15.00 ppb - 100.00 ppb  |               |          |       |       |     |      |      | x      |           |         |          |          |   |
| Corn                     | DON - low level<br>0.10 ppm - 1.25 ppm            |               |          |       |       |     |      |      |        | x         |         |          |          |   |
| Corn                     | DON - high level<br>1.00 ppm - 6.00 ppm           |               |          |       |       |     |      |      |        | x         |         |          |          |   |
| Corn                     | fumonisin - low level<br>0.10 ppm - 1.25 ppm      |               |          |       |       |     |      |      |        |           | x       |          |          |   |
| Corn                     | fumonisin - high level<br>1.00 ppm - 6.00 ppm     |               |          |       |       |     |      |      |        |           | x       |          |          |   |
| Corn                     | ochratoxin - low level<br>1.00 ppb - 20.00 ppb    |               |          |       |       |     |      |      |        |           |         |          | x        |   |
| Corn                     | ochratoxin - high level<br>10.00 ppb - 100.00 ppb |               |          |       |       |     |      |      |        |           |         |          | x        |   |
| Corn                     | zearalenone<br>50.00 ppb- 1500.00 ppb             |               |          |       |       |     |      |      |        |           |         |          | x        |   |
| Wheat                    | DON - low level<br>0.10 ppm - 1.25 ppm            |               |          |       |       |     |      |      | x      |           |         |          |          |   |
| Wheat                    | DON - high level<br>1.00 ppm - 6.00 ppm           |               |          |       |       |     |      |      | x      |           |         |          |          |   |
| Wheat                    | ochratoxin - low level<br>1.00 ppb - 20.00 ppb    |               |          |       |       |     |      |      |        | x         |         |          |          |   |
| Wheat                    | ochratoxin - high level<br>10.00 ppb - 100.00 ppb |               |          |       |       |     |      |      |        | x         |         |          |          |   |
| Barley                   | DON<br>0.05 ppm - 3.00 ppm                        |               |          |       |       |     |      |      |        |           |         |          | x        |   |
| Brown Rice               | aflatoxin<br>1.00 ppb - 20.00 ppb                 |               |          |       |       |     |      |      |        |           |         |          | x        |   |
| <b>FEED</b>              |   |               |          |       |       |     |      |      |        |           |         |          |          |   |
| Gluten Feed              | aflatoxin<br>1.00 ppb - 50.00 ppb                 |               |          |       |       |     |      |      |        |           |         |          |          | x |
| Swine Feed               | aflatoxin<br>1.00 ppb - 20.00 ppb                 |               |          |       |       |     |      |      |        |           |         |          |          | x |
| Pet Food                 | aflatoxin<br>1.00 ppb - 50.00 ppb                 |               |          |       |       |     |      |      |        |           |         |          |          | x |

Each proficiency testing type is designed in the following way: a sample set of 3 samples in the displayed concentration range is provided. In general one blank sample is part of the sample set.

# registration

# chemistry

| proficiency testing type        | period    | <i>Please tick how you want to get the report!</i> |                  | prices                    |                  |                                    |
|---------------------------------|-----------|--|------------------|---------------------------|------------------|------------------------------------|
|                                 |           | report by postal delivery                          | report by E-mail | report by postal delivery | report by E-mail | each additional submitted data set |
| CEREALS                         |           |  |                  |                           |                  |                                    |
| Corn (aflatoxin - low level)    | August    |  |                  | 320 €                     | 300 €            | 100 €                              |
| Corn (aflatoxin - high level)   | August    |  |                  | 320 €                     | 300 €            | 100 €                              |
| Corn (DON - low level)          | September |  |                  | 320 €                     | 300 €            | 100 €                              |
| Corn (DON - high level)         | September |  |                  | 320 €                     | 300 €            | 100 €                              |
| Corn (fumonisin - low level)    | October   |  |                  | 320 €                     | 300 €            | 100 €                              |
| Corn (fumonisin - high level)   | October   |  |                  | 320 €                     | 300 €            | 100 €                              |
| Corn (ochratoxin - low level)   | November  |  |                  | 320 €                     | 300 €            | 100 €                              |
| Corn (ochratoxin - high level)  | November  |  |                  | 320 €                     | 300 €            | 100 €                              |
| Corn (zearalenone)              | November  |  |                  | 320 €                     | 300 €            | 100 €                              |
| Wheat (DON - low level)         | August    |  |                  | 320 €                     | 300 €            | 100 €                              |
| Wheat (DON - high level)        | August    |  |                  | 320 €                     | 300 €            | 100 €                              |
| Wheat (ochratoxin - low level)  | September |  |                  | 320 €                     | 300 €            | 100 €                              |
| Wheat (ochratoxin - high level) | September |  |                  | 320 €                     | 300 €            | 100 €                              |
| Barley (DON)                    | November  |  |                  | 320 €                     | 300 €            | 100 €                              |
| Brown Rice (aflatoxin)          | November  |  |                  | 320 €                     | 300 €            | 100 €                              |
| FEED                            |           |  |                  |                           |                  |                                    |
| Gluten Feed (aflatoxin)         | December  |  |                  | 320 €                     | 300 €            | 100 €                              |
| Swine Feed (aflatoxin)          | December  |  |                  | 320 €                     | 300 €            | 100 €                              |
| Pet Food (aflatoxin)            | December  |  |                  | 320 €                     | 300 €            | 100 €                              |

# registration

# chemistry

tick here for a 1 year subscription only

**send registration please to:**  
**fax-no. +49 (0)8 31/960 878-99**  
**or**  
**e-mail: info@DRRR.de**

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date

signature

Your registration is a standing order this means it is valid until we will get a notice from you about changes (not later than 6 weeks before the proficiency testing will start). We only need a reply if you want to change your participation. If you only want to register for 1 year please tick at the casket on the left side.

**DRRR-customer number**  
**company**  
**company (additional line)**  
**contact person**  
**street**  
**post-code / city**  
**country (if not Germany)**  
**fon**  
**fax**  
**e-mail**

**Ust-ID-No. (if available)**  
**With your signature you agree with our terms and conditions of business and participation.**