PRESS RELEASE

New DZT MS-PREP® immunoaffinity column for simultaneous analysis of deoxynivalenol, zearalenone, T-2 and HT-2 by LC-MS/MS

R-Biopharm Rhône Ltd is pleased to announce the launch of their new DZT MS-PREP® immunoaffinity column for the simultaneous analysis of deoxynivalenol, zearalenone, T-2 and HT-2 in a range of commodities by LC-MS/MS. The mycotoxins produced by the *Fusarium* moulds can be found in a variety of cereal and cereal products and are generated primarily in the field although some toxin synthesis may occur during storage. Temperature and moisture conditions during the growing season and insect infestations are critical factors affecting fungal infection and toxin synthesis. Legislative limits have been set within the EC for deoxynivalenol and zearalenone in cereals including wheat, maize and oats and for fumonisins in maize and are under consideration for T-2 and HT-2. It is therefore important to test such products for the presence of deoxynivalenol, zearalenone, T-2 and HT-2 prior to their incorporation into other foodstuffs or feed.

The DZT MS-PREP® procedure is based on monoclonal antibody technology, which makes the test highly specific, sensitive, rapid and simple to perform. Only one extraction is required per sample and deoxynivalenol, zearalenone, T-2 and HT-2 can be analysed simultaneously in one LC-MS/MS run. The kit has been proven to give excellent recoveries and has a limit of detection below international legislative limits.

The DZT MS-PREP® columns have been evaluated for the detection and simultaneous analysis of deoxynivalenol, zearalenone, T-2 and HT-2 in a range of food types. To date a number of commodities have been successfully analysed in-house and in various external studies using specially developed protocols.

DZT MS-PREP® are suitable for a wide range of cereals commodities resulting in improved clean up and less down time to clean and maintain LC-MS/MS equipment saving time, labour and money. The cleaner eluate also reduces the need to use matrix matched standards with more complex sample matrices.

08/2009

R-Biopharm Rhône Ltd
Block 10 Todd Campus
West of Scotland Science Park,
Acre Road, Glasgow G20 0XA
www.r-biopharm.com

R-BIOPHARM
RHÔNE LTD