

AOAC-RI Approves BIOTECON Diagnostics Rapid Method for *Salmonella* Detection in Peanut Butter (in cooperation with Merck KGaA)

In response to a recent *Salmonella* outbreak caused by contaminated Peanut Butter with more than 700 infected persons, 9 deaths and a recall of more than 3900 food products, BIOTECON Diagnostics successfully participated in an AOAC ERV (Emergency Response Validation) with its specific and sensitive Kit for the rapid detection of *Salmonella* in Peanut Butter containing food samples.

BIOTECON Diagnostics and Merck KGaA participated in this ERV with the following rapid method:

- **foodproof®** *Salmonella* Detection Kit, Hybridization Probes (LC 1.x,2.0) in combination with **foodproof®** Short Prep I Kit (for DNA extraction of *Salmonella*)

The ERV programme revealed that the **foodproof®** *Salmonella* Detection Kit, in combination with the **foodproof®** ShortPrep I Kit performed at least as good as the FDA-BAM testing method, even when peanut butter samples were spiked with extremely low levels of *Salmonella typhimurium*.

In addition to this, the new **foodproof®** *Salmonella* Detection Kit, 5'Nuclease, based on the reliable TaqMan® real-time PCR technology, was also tested with the identical Peanut Butter samples. The results indicated 100% agreement with the approved **foodproof®** *Salmonella* Kit based on the Hybridization Probes technology.

The **foodproof®** *Salmonella* Detection Kit was validated by the AOAC-RI in the Performance Tested Methods program for the detection of *Salmonella* species in a broad variety of foods. The method was shown to be equivalent to the FDA BAM and USDA/FSIS MLG reference culture procedures.

The AOAC-RI approval of the **foodproof®** *Salmonella* 5'Nuclease Kit for foods is currently in progress.

The **foodproof®** product line of BIOTECON Diagnostics provides a unique and innovative solution for the rapid and convenient manual or automated detection and confirmation of important food pathogens, such as *Salmonella*, *Listeria monocytogenes*, *E. coli* O157, pathogenic *Campylobacter*, and of other pathogens. The rapid test system enables laboratories to analyse their food samples easier, safer and faster than the culture media based methods which usually take up to 5 days.

For further information about the product portfolio available from BIOTECON Diagnostics to isolate, detect, and identify food-pathogens and other microorganisms, please contact us directly:

BIOTECON Diagnostics GmbH
Hermannswerder 17
14473 Potsdam - Germany
Phone +49 (0) 331 2300-200
FAX +49 (0) 331 2300-299
bcd@bc-diagnostics.com

