

Press Release

The **foodproof**[®] *Cronobacter* Detection LyoKit: A new sensitive and rapid test for the detection of all species of the genus *Cronobacter*.

- Potsdam, June 2017 -

BIOTECON Diagnostics has launched a new lyophilized foodproof real-time PCR test for the specific detection of all *Cronobacter*-species within 24 h.

Bacteria species belonging to the genus *Cronobacter* are severe human pathogens. The mortality rate after infection is very high (40 – 80 %). *Cronobacter* often occurs in infant formula. Therefore, these organisms pose a serious threat for the newborn. Traditional microbiological detection methods for *Cronobacter* including enrichment, isolation on agar-plates and confirmatory tests usually need several days. To reduce the time-to-result significantly, alternative rapid methods are necessary.

BIOTECON Diagnostics, one of the leading suppliers of intelligent rapid real-time PCR assays for the food industry, has now developed an ultra-sensitive lyophilized **foodproof** kit for the 24 h detection of all species of the genus *Cronobacter*. In addition, the company provides several DNA-extraction kits for all kind of tasks and throughput, like the **foodproof** StarPrep One Kit for manual extraction, the **foodproof** StarPrep One Kit 8-strip protocol for high-throughput manual extraction in deep-well plates or the **foodproof** Magnetic Preparation Kit IV for the fast automated DNA-extraction with the King Fischer Flex[™] instrument.

Enrichment of the food samples takes place in the standard ISO enrichment broth, buffered peptone water (BPW) at 37 °C for 18 +/- 2 h.

For the specific detection of *Cronobacter* spp. the **foodproof** *Cronobacter* Detection LyoKit uses the same primers and probes as the **foodproof** *Enterobacteriaceae* plus *Cronobacter* Detection Kit which has been MicroVal validated according to ISO 16140 (2007-LR08091920 and 2011-LR 39). Some of the world biggest suppliers of baby food use this kit since several years.

The **foodproof** *Cronobacter* Detection LyoKit is an equal alternative for such baby food producers and testing laboratories, which look for the pathogenic genus *Cronobacter* spp. only, and not additionally for *Enterobacteriaceae* as indicator organisms. The new kit has been validated with all relevant food groups including infant formula with and without probiotics, skim milk powder, human fortifier, sucrose, environmental samples and others.

For more information about the new **foodproof** *Cronobacter* Detection LyoKit please view: www.bc-diagnostics.com.

BIOTECON Diagnostics is located in Potsdam, Germany. Since almost 20 years the company is a competent partner for all molecular biological and microbiological challenges in the food and beverage industry. In the companies' focus are the development, production and marketing of real-time PCR based rapid test methods including automation solutions.

Contact:**Public Relations:****Alois Schneiderbauer, CBO**

Phone: +49 (0) 331 2300-200

Fax: +49 (0) 331 2300-299

Email: bcd@bc-diagnostics.com**BIOTECON Diagnostics**

Hermannswerder 17

14473 Potsdam – Germany

Phone: +49 (0) 331 2300-200

Fax: +49 (0) 331 2300-299

Email: bcd@bc-diagnostics.comWeb: www.bc-diagnostics.com**Product Information:****Benjamin Junge, Senior Product Manager**

Phone: +49 (0) 331 2300-200

Fax: +49 (0) 331 2300-299

Email: bjunge@bc-diagnostics.com