

**SALMONELLA SPECIES
(IMMUNODIFFUSION SCREENING METHOD)**

PRINCIPLE

The immunodiffusion screening method is a commercial test for the detection of the *Salmonella sp.* The presence of *Salmonella* in an enriched sample is indicated by the development of a band in a semi-solid medium from the immobilization of mobile *Salmonella* by flagella antibodies.

SCOPE

The method is applicable to starches, sugar, syrups and most coproducts of the corn wet milling industry.

APPARATUS

1-2 Test Kit, BioControl or equivalent.

PROCEDURE

- A. Sample preparation for pregelatinized starches — double the media volume (25 g per 450 mL pre-enrichment media).
- B. Incubate the 1-2 Test Kit for 18-24 hrs at 35-37°C.
- C. Proceed according to manufacturer's instructions.

REFERENCES

1. FDA Bacteriological Analytical Manual (BAM) 8th Edition, www.cfsan.fda.gov/~ebam/bam-toc.html.
2. Association of Official Analytical Chemistry, www.aoac.org.