

**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](http://www.cfsan.fda.gov/~ebam/bam-toc.html).
2. Association of Official Analytical Chemistry, [www.aoac.org](http://www.aoac.org).