

# Regulatory News 2017

## New ISO 6579-1 for Salmonella Detection in the food chain

### New EN ISO 6579-1 at a glance...

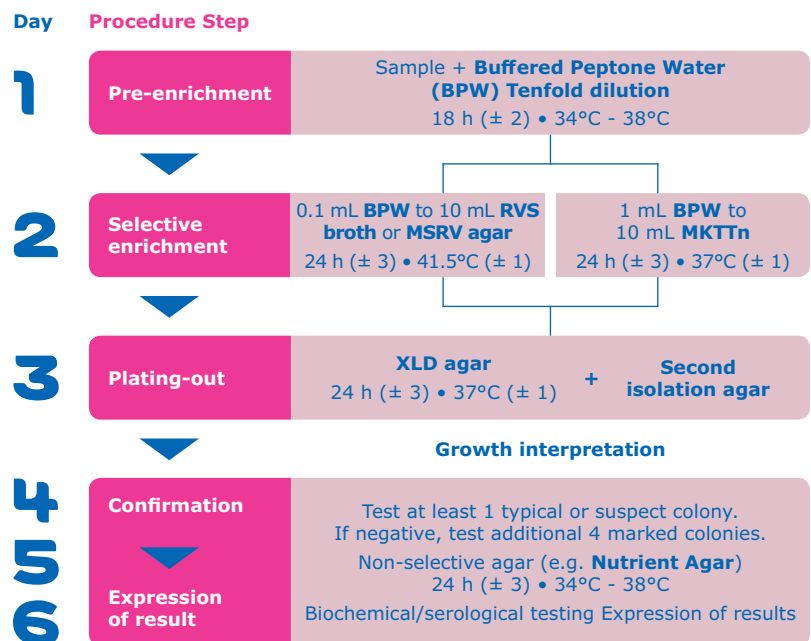
- Part one (detection) of three-part EN ISO 6579 replaces EN ISO 6579:2004+Amd 1:2007
- EN ISO 6785:2007 (dairy products) method details now incorporated
- Samples from primary production stage added to scope
- Incubation temperature range for non-selective media extended to 34° – 38°C
- Choice of RVS or MSRV agar for selective enrichment of food, animal feed and environmental samples
- Directions for choice of second isolation medium in addition to XLD agar
- Only one suspect colony needed for confirmation (if negative, 4 more to be tested)
- Optional: biochemical confirmation on well-isolated colony direct from selective plate
- β-galactosidase and indole tests now optional, Voges-Proskauer reaction omitted
- Detection of Salmonella Typhi and S. Paratyphi described
- Performance testing for the culture media in-depth

The International Organization for Standardization (ISO) publishes the EN ISO 6579-1 standard, which specifies a horizontal method for the detection of *Salmonella spp.* in the food production chain.

Like the preceding ISO 6579:2002+Amd 1:2007, the new ISO 6579-1 covers the testing of products intended for human consumption, animal feeding and environmental samples in food production and handling.

In addition, EN ISO 6579-1 now includes testing of milk and milk products as well as samples from the primary production stage, such as animal feces, dust and boot socks.

### Procedure steps for Salmonella detection according to new EN ISO 6579-1



As a worldwide leading provider of a broad range of dehydrated granulated and ready-to-use culture media for food, beverages and water microbiology, Merck closely tracks and supports the development of relevant standards aimed at increasing consumer confidence and safety.

Merck's GranuCult™ granulated media, Readybag® pre-weighed granulated media in ready-to-use bags, ReadyPlate™ & ReadyTube™ ready-to-use media are all compliant with EN ISO 11133:2014. All information regarding compliance with additional reference standards are displayed on the product label and in the product's technical information available on our website.

## Compliance to New EN ISO 6579-1

Merck has implemented all the requirements described in the new EN ISO 6579-1. For more information, please visit [merckmillipore.com/culture-media](http://merckmillipore.com/culture-media). The following culture media and accessories described in the new ISO6579-1 are available:

### Ordering Information

| Product   | Pack size   | Catalogue No. | Other pack sizes available     |
|---|-------------|---------------|--------------------------------|
| GranuCult™ Buffered Peptone Water acc. ISO 6579, ISO 21528, ISO 22964, FDA-BAM and EP                   | 500 g       | 1.07228.0500  | 5 kg, 25 kg                    |
| Readybag® Buffered Peptone Water acc. ISO 6579, ISO 21528, ISO 22964, FDA-BAM and EP, 5.7 g, irradiated | 60 bags     | 1.02448.0060  | 60 bags x 29 g, 35 bags x 86 g |
| ReadyTube™ 225 BPW ISO 6579, ISO 6887, ISO 21528, ISO 11290, FDA-BAM and EP                             | 6 x 225 mL  | 1.46404.0006  | 6 x 1000 mL, 20 x 9 mL         |
| GranuCult™ RVS (RAPPAPORT-VASSILIADIS-Soya) Broth (Base) acc. ISO 6579                                  | 500 g       | 1.07700.0500  |                                |
| Novobiocin Sodium Salt  | 1 g         | N6160-1-G     | 5 g, 25 g                      |
| ReadyTube™ 10 RVS Broth ISO 6579  | 20 x 10 mL  | 1.46694.0020  |                                |
| GranuCult™ MKTTn (MULLER KAUFFMANN Tetrathionate Novobiocin) Broth (Base) acc. ISO 6579                 | 500 g       | 1.05878.0500  |                                |
| Potassium Iodide  | 250 g       | 1.05043.0250  |                                |
| Iodine resublimed   | 100 g       | 1.04761.0100  |                                |
| MSRV (Modified Semi-solid RAPPAPORT-VASSILIADIS) Medium (Base) acc. ISO 6579                            | 500 g       | 1.09878.0500  |                                |
| MSRV Selective Supplement   | 10 x 1 vial | 1.09874.0010  |                                |
| ReadyTube™ 12 MSRV Medium ISO 6579  | 100 x 12 mL | 1.46622.0100  |                                |
| GranuCult™ XLD (Xylose Lysine Deoxycholate) agar acc. ISO 6579  | 500 g       | 1.05287.0500  |                                |
| ReadyPlate™ XLD Agar ISO 6579   | 20 x 90 mm  | 1.46751.0020  |                                |
| RAMBACH® Agar   | 4 x 250 mL  | 1.07500.0001  | 4 x 1000 mL, 1 x 50 L          |
| RAMBACH® Agar ready-to-use  | 20 x 90 mm  | 1.46719.0020  | 100 x 90 mm                    |
| GranuCult™ Nutrient agar acc. ISO 6579, ISO 10273 and ISO 21528   | 500 g       | 1.05450.0500  |                                |
| Bismuth Sulfit Agar acc. WILSON-BLAIR   | 500 g       | 1.05418.0500  |                                |
| Triple Sugar Iron Agar  | 500 g       | 1.03915.0500  |                                |
| Urea Agar (Base) acc. CHRISTIANSEN  | 500 g       | 1.08492.0500  |                                |
| Urea GR for Analysis ACS, Reagent Ph Eur  | 500 g       | 1.08487.0500  |                                |
| MR-VP (Methyl Red-VOGES-PROSKAUER) Broth  | 500 g       | 1.05712.0500  |                                |
| KOVAC'S Indole Reagent  | 100 mL      | 1.09293.0100  |                                |

### To Place an Order or Receive Technical Assistance

Find contact information for your country at: [merckmillipore.com/offices](http://merckmillipore.com/offices)

For Technical Service, please visit: [merckmillipore.com/techservice](http://merckmillipore.com/techservice)

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