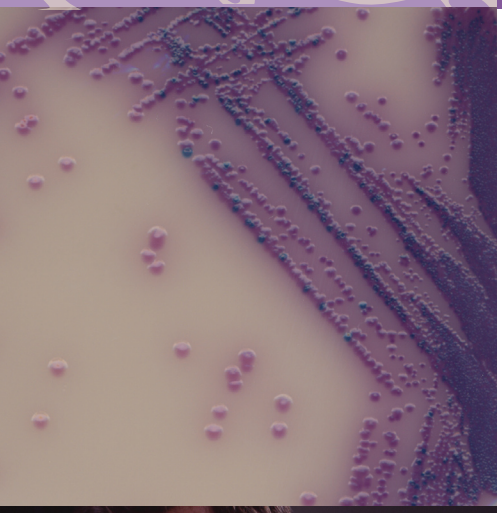
OXOID

Rapid Culture Method

Salmonella Precis™



A quick and easy method for the enrichment, detection and confirmation of *Salmonella* species from food, animal feed and environmental samples.

- Validated by AFNOR to ISO 16140 standard
- Simple and easy procedure – no specialised equipment required
- Single 18-hour enrichment
- Single sample transfer
- Single 24-hour plate incubation
- Quick and convenient confirmation: Oxoid Salmonella Latex Test or ISO 6579:2002 standard tests
- Reduced time to result: 2 days compared with up to 5 days for standard culture methods

AFNOR Validation

Introduction

The Oxoid Salmonella Precis™ method combines the benefits of ONE Broth-Salmonella, *Brilliance*™ Salmonella Agar and the Oxoid Salmonella Latex Test to reduce time to result over conventional culture methods.

ONE Broth-Salmonella is a highly nutritious medium for the recovery and growth of salmonellae while inhibiting competing organisms. The growth promoter in the medium allows the recovery of stressed *Salmonella* cells, even when present in very low numbers.

Brilliance Salmonella is the first in a new class of chromogenic media to incorporate novel Inhibigen™ technology. This new technology improves recovery of *Salmonella* by reducing background flora. Chromogens aid easy identification and differentiation by producing brightly coloured colonies.

The Oxoid Salmonella Latex Test provides a quick and easy method for confirmation of *Salmonella* species from culture media.

AFNOR Validation

The Salmonella Precis method has been validated and approved by AFNOR according to ISO 16140 standard against the reference method ISO 6579:2002 standard for the detection of *Salmonella* in food, animal feed and environmental samples.

For flexibility, confirmation was validated using both Oxoid Salmonella Latex Test and the tests outlined in ISO 6579:2002. Alternatively, biochemical panels such as Microbact GNB 24E or RapID ONE Panel, may be used.

AFNOR validation certificate number **UNI 03/06 – 12/07** (available in PDF format from the AFNOR website www.afnor-validation.com).

Reactions on Brilliance Salmonella Agar

	Colony colour		
	Purple	**Blue**	**Colourless**
Enzyme targeted by chromogen	*Salmonella* (including Lactose positive *Salmonella*)	*Klebsiella, Enterobacter, Serratia*	*Citrobacter*, other bacteria and yeasts
Esterase	+	-/+	-
ß-glucosidase	-	+	-
E. coli and other bacteria and yeasts are inhibited by the combination of Inhibigen and other selective agents in the medium.			

Enrichment	SIZE/FORMAT	ORDER CODE
ONE Broth-Salmonella in Bottles	10 x 225ml	BO1096S*
ONE Broth-Salmonella in ReadyBags	3x3 litres	FR60101*
ONE Broth-Salmonella Base	500g	CM1091B
ONE Broth-Salmonella Supplement for 225ml	10 vials	SR0242E
ONE Broth-Salmonella Supplement for 2.25 litres	10 vials	SR0242B
Plating		
Brilliance™ Salmonella (ready to use 90mm plates)	10 plates	PO5098A*
Brilliance™ Salmonella Agar Base	500g	CM1092B
Salmonella Selective Supplement for 500ml	10 vials	SR0194E
Confirmation		
Salmonella Latex Test	100 tests	FT0203A
Nutrient Agar	500g	CM0003B
Microbact GNB 24E	40 tests	MB1131A
Microbact GNB 24E	80 tests	MB1074A
RapID ONE Panel	20 panels	R8311006*
Triple Sugar Iron Agar	500g	CM0277B
Urea Agar Base	500g	CM0053B
Urea 40% Solution (for 100ml medium)	10 x 5ml	SR0020K
Lysine Decarboxylation Broth Tablets (each make 5ml)	100 tablets	CM0308S
Spot Indole Reagent (DMACA)	25ml	R21245*
Salmonella O and H Agglutinating Sera various codes - see Product List		
Quality Control Organisms		
Salmonella Typhimurium ATCC® 14028™†	10 loops	C6000L
Staphylococcus aureus ATCC® 25923™†	10 loops	C7010L
Klebsiella pneumoniae ATCC® 13883™†	10 loops	C7037L
Enterococcus faecalis ATCC® 29212™†	10 loops	C7030L
Escherichia coli ATCC® 25922™†	10 loops	C7050L

* Check code and availability with your local Oxoid Representative

For more information about these products, please visit www.oxoid.com

Protocol for Salmonella Precis Method

Day 0: Enrichment
25g or 25ml of sample
+
225ml ONE Broth-Salmonella

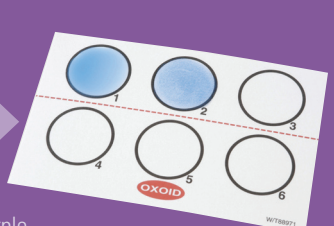
Day 1: Plating
Using a 10µl microbiological loop inoculate a single *Brilliance* Salmonella plate

Day 2: Results
If present, select a well isolated purple coloured colony and test using the Oxoid Salmonella Latex Test. Alternatively, confirm purple colonies using standard ISO methods.

Incubate for 16-24 hours at 42°C

Incubate for 22-26 hours at 37°C

Select purple colonies for confirmation



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DEDICATED TO MICROBIOLOGY

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