

LOD₅₀ values for method verification

Analyte	Certificate Number	Method	(Food) Category	(Food) Item	Enrichment Scheme	LOD ₅₀ (cfu/test portion)	Test Portion Size
			in accordance with categories and types given in ISO 16140-2 annex A			7500/QS5 Thermocyclers	
Salmonella	2022LR111	Thermofisher Scientific™ SureTect™ Salmonella spp.	Meat products (including poultry)	Raw chicken meat	BPW + 12 mg/l Novobiocin for 20 - 28 h at 34-38°C	1.5 [0.8;2.9]	25 g
Salmonella	2022LR111	Thermofisher Scientific™ SureTect™ Salmonella spp.	Raw Beef Meats (9 and 24 h)	Ground beef	Pre-warmed BPW for 9 - 24 h at 41.5°C ± 1°C	0.9 [0.5;1.5]-7500 0.7 [0.4;1.2]- QS5	25 g
Salmonella	2022LR111	Thermofisher Scientific™ SureTect™ Salmonella spp.	Meat Products (375 g)	Ground beef	1:5 ratio of pre-warmed (41.5±1°C) BPW ISO for 8-24 hours at 41.5±1°C	0.6 [0.3;1.1]	375 g
Salmonella	2022LR111	Thermofisher Scientific™ SureTect™ Salmonella spp.	Meat Products (25 g)	Ground beef	1:10 ratio of pre-warmed (41.5±1°C) BPW ISO for 8-24 hours at 41.5±1°C	1.8[1.02;3.16]	25 g
Salmonella	2022LR111	Thermofisher Scientific™ SureTect™ Salmonella spp.	Milk and Dairy Products	Raw milk	BPW + 12 mg/l Novobiocin for 20 - 28 h at 34-38°C ONE Broth- <i>Salmonella</i> + 12 mg/l Novobiocin for 20 - 28 h at 34-38°C	0.9 [0.5;1.5]	25 g
Salmonella	2022LR111	Thermofisher Scientific™ SureTect™ Salmonella spp.	Vegetables	Frozen spinach	BPW + 12 mg/L Novobiocin for 20 - 28 h at 34-38°C	0.9 [0.5;1.5]	25 g
Salmonella	2022LR111	Thermofisher Scientific™ SureTect™ Salmonella spp.	Fresh and Processed Vegetables and Fruit (375 g)	Baby spinach	1:10 ratio of pre-warmed (41.5±1°C) BPW ISO for 10-24 hours at 41.5±1°C	1.0 [0.6;1.8]	375 g
Salmonella	2022LR111	Thermofisher Scientific™ SureTect™ Salmonella spp.	Cocoa and chocolate products (375g)	Cocoa Powder	Pre-warmed BPW for 22-30 h at 34-38°C Pre-warmed UHT milk or reconstituted non-fat dried milk (NFDM) according to the ISO 6887-4:2017 standard for 20-28 h at 34-38°C	0.6 [0.3;1.0]	375 g
Salmonella	2022LR111	Thermofisher Scientific™ SureTect™ Salmonella spp.	Seafood	Fish terrine	BPW + 12 mg/L Novobiocin for 20 - 28 h at 34-38°C	1.0 [0.5;1.8]	25 g

Salmonella	2022LR111	Thermofisher Scientific™ SureTect™ Salmonella spp.	Infant Formula	Infant formula with probiotics	BPW for 16 - 24 h at 34-38°C	0.6 [0.4;1.1]	25 g
Salmonella	2022LR111	Thermofisher Scientific™ SureTect™ Salmonella spp.	Milk powder. Infant formula and infant cereals with and without probiotics including ingredients (375 g)	Infant formula with probiotics	BPW + vancomycin (6 mg/L) for 18 - 26 h at 34-38°C	0.9 [0.5;1.6]	375 g
Salmonella	2022LR111	Thermofisher Scientific™ SureTect™ Salmonella spp.	Powdered Infant Formula (with and without Probiotics) (375 g)	Infant formula with probiotics	1:6 ratio of pre-warmed (37±1°C) BPW ISO for 18-26 hours at 34-38°C	1.6 [0.8;2.8]	375 g
Salmonella	2022LR111	Thermofisher Scientific™ SureTect™ Salmonella spp.	Powdered Infant Formula (with and without Probiotics) (375 g)	Infant formula without probiotics	1:6 ratio of pre-warmed (37±1°C) BPW ISO (supplemented with 6 mg/L novobiocin for probiotic formula only) for 18-26 hours at 34-38°C	1.4 [0.8;2.4]	375 g
Salmonella	2022LR111	Thermofisher Scientific™ SureTect™ Salmonella spp.	Pet Food (375 g) (1:6 ratio)	Pâté	1:6 ratio of pre-warmed (37±1°C) BPW ISO for 20-28 hours at 34-38°C	1.3 [0.8;2.2]	375 g
Salmonella	2022LR111	Thermofisher Scientific™ SureTect™ Salmonella spp.	Pet Food (375 g) (1:10 ratio)	Pâté	1:10 ratio prewarmed (37±1°C) BPW ISO for 20-28 hours at 34-38°C	1.2 [0.7;2.2]	375 g
Salmonella	2022LR111	Thermofisher Scientific™ SureTect™ Salmonella spp.	Animal Feed (150 g)	Cat Kibble	10 ratio BPW ISO with novobiocin at 12 mg/L for 20-28 hours at 34-38°C	0.7 [0.4;1.3]	150 g
Salmonella	2022LR111	Thermofisher Scientific™ SureTect™ Salmonella spp.	Production Environmental Samples	Process water	BPW for 20 - 28 h at 34-38°C	0.8 [0.4;1.4]- 7500 0.7 [0.4;1.2]- QS5	25 g

Table completed by:

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