Meat & Fish (QMAS) Individual Report

MT317 Round 317

MT0049 - Biotrends Laboratorios

Issue Number: 1

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LGC Proficiency Testing

1 Chamberhall Business Park | Chamberhall Green | Bury |
United Kingdom | BL9 0AP

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Sample Details

Samples were despatched: 19 September 2022

Reporting Deadline Date: 31 October 2022

The following samples were distributed in QMAS Round 317:

Chemistry

Sample	Matrix
730	150g dried/cured meat
741	Elements in seafood

Microbiology

Sample	Matrix	Contents
726	Lyophilised vial with 10g lyophilised meat	*Campylobacter jejuni*
727	Lyophilised vial	*Escherichia coli* O157 (non-toxigenic)
		Salmonella Bredeney
735	10g Lyophilised meat	*Klebsiella oxytoca*
		Bacillus spizizenii
736	25g Lyophilised meat	*Salmonella* Oranienburg
737	25g Lyophilised meat	*Listeria monocytogenes*
		Listeria innocua
738	10g Lyophilised meat	*Clostridium perfringens*
		Staphylococcus aureus
739	Lyophilised vial with 10g lyophilised shellfish	*Escherichia coli*
		Staphylococcus epidermidis
		Enterobacter cloacae
740	Lyophilised vial with 25g lyophilised shellfish	*Salmonella* Thompson
		Escherichia coli
743	Lyophilised vial with 25g lyophilised meat	*Campylobacter jejuni*
744	Lyophilised vial with 25g lyophilised meat	*Escherichia coli* O157 (non-toxigenic)
745	Lyophilised vial with 25g lyophilised shellfish	*Vibrio parahaemolyticus*
746	10g lyophilised meat	*Rhodotorula mucilaginosa*
		Penicillium commune
		Pseudomonas aeruginosa
756A	Lyophilised vial with 10g meat powder	*Klebsiella oxytoca*
		Staphylococcus aureus
		Rhodotorula mucilaginosa
		Penicillium chrysogenum
756B	Lyophilised vial with 10g meat powder	*Bacillus cereus*
		Escherichia coli
		Staphylococcus aureus
		Candida albicans
757A	Lyophilised vial with 100g meat powder	*Salmonella* Pomona
		Listeria monocytogenes
		Escherichia coli O157 (non-toxigenic)
757B	Lyophilised vial with 100g meat powder	*Escherichia coli* O157 (non-toxigenic)
		Listeria monocytogenes
		Listeria welshimeri
		Salmonella Montevideo

Further information regarding assigned values, performance assessment and technical comments can be found under the individual sample and analyte results.

Individual Report

This individual report contains a summary of all the results submitted and the performance assessment for your laboratory/individual analysts. Please note that the nominated results for each analyte are indicated by the blue highlight in the analyst field.

Full details of the scheme, sample types and data analysis can be found in the corresponding Main Report, along with any technical comments, if applicable. The main report is the definitive version.

If you have any questions regarding your results which are not answered in the Main Report, please contact us using the details provided on the front of the report. If you would like to order any samples for re-testing please visit our web shop at www.lgcstandards.com or contact your local LGC representative.

Assessment Summary

Sample	Assessments Received	Satisfactory Assessments	Questionable Assessments	Unsatisfactory Assessments	Not Assessed
PT-MT-743	3	3	0	0	0
PT-MT-756A	42	36	0	0	6
PT-MT-756B	42	42	0	0	0
PT-MT-757A	21	21	0	0	0
PT-MT-757B	9	9	0	0	0
Round Total	117	111	0	0	6

Result which are Not Assessed should be review by comparing them with the assigned value and other relevant statistics given in the main report. Participants, according to their internal quality criteria, may consider Not Assessed results to be satisfactory, questionable or unsatisfactory. Further information regarding why results may not be assessed is given in the Scheme Information section of the main report.

Repeat PT samples are normally available for purchase, after the completion of the round. These samples can be purchased at a reduced rate if you have taken this sample during the main round. Visit our web shop at www.lgcstandards.com and search for the sample you require.

No unsatisfactory assessments in this round

No questionable assessments in this round

743 - Meat Campylobacter species

Analyte	Result Field	Analyst	Method	Result	Assigned Value	Number of results	Satisfactory %	Your Reference
Campylobacter species	Result	AS	PCR	Detected	Detected	57	77.2%	PCR en tiempo real CFX - Biorad AOAC 031209
Campylobacter species	Result	Lab Result	PCR	Detected	Detected	57	77.2%	PCR en tiempo real CFX - Biorad AOAC 031209
Campylobacter species	Result	PSB	PCR	Detected	Detected	57	77.2%	PCR en tiempo real CFX - Biorad AOAC 031209

756 - Quantitative Package vial A

Analyte	Analyst	Method	Result	Units	Log_{10}	Z Score	Assigned Value	Ux AV	SDPA	Exp.SDPA	Number of results	Median	Mean	Robust SD	SD	Your Reference
Total aerobic mesophilic count	Lab Result	Other	61000	cfu/g	4.79	0.08	57000	0.01	0.35	N/A	117	4.76	4.69	0.10	0.27	ISO 4833-1:2013
Total aerobic mesophilic count	HS	Other	54000	cfu/g	4.73	-0.07	57000	0.01	0.35	N/A	117	4.76	4.69	0.10	0.27	ISO 4833-1:2013
Total aerobic mesophilic count	ZM	Other	68000	cfu/g	4.83	0.22	57000	0.01	0.35	N/A	117	4.76	4.69	0.10	0.27	ISO 4833-1:2013
Total aerobic mesophilic count	CP	Other	69000	cfu/g	4.84	0.24	57000	0.01	0.35	N/A	117	4.76	4.69	0.10	0.27	ISO 4833-1:2013
Total aerobic mesophilic count	YO	Other	48000	cfu/g	4.68	-0.21	57000	0.01	0.35	N/A	117	4.76	4.69	0.10	0.27	ISO 4833-1:2013
Total aerobic mesophilic count	PSB	Other	68000	cfu/g	4.83	0.22	57000	0.01	0.35	N/A	117	4.76	4.69	0.10	0.27	ISO 4833-1:2013
Coliforms	Lab Result	Other	12000	cfu/g	4.08	-1.29	34000	0.02	0.35	N/A	102	4.53	4.44	0.17	0.32	ISO 4832:2006
Coliforms	HS	Other	10000	cfu/g	4.00	-1.52	34000	0.02	0.35	N/A	102	4.53	4.44	0.17	0.32	ISO 4832:2006
Coliforms	ZM	Other	9000	cfu/g	3.95	-1.65	34000	0.02	0.35	N/A	102	4.53	4.44	0.17	0.32	ISO 4832:2006
Coliforms	CP	Other	14000	cfu/g	4.15	-1.10	34000	0.02	0.35	N/A	102	4.53	4.44	0.17	0.32	ISO 4832:2006
Coliforms	YO	Other	13000	cfu/g	4.11	-1.19	34000	0.02	0.35	N/A	102	4.53	4.44	0.17	0.32	ISO 4832:2006
Coliforms	PSB	Other	14000	cfu/g	4.15	-1.10	34000	0.02	0.35	N/A	102	4.53	4.44	0.17	0.32	ISO 4832:2006
Escherichia coli	Lab Result	Other	<10	cfu/g			Absent	0.82	N/A	N/A	111	N/A	N/A	N/A	N/A	ISO 16649-2:2001
Escherichia coli	HS	Other	<10	cfu/g			Absent	0.82	N/A	N/A	111	N/A	N/A	N/A	N/A	ISO 16649-2:2001
Escherichia coli	ZM	Other	<10	cfu/g			Absent	0.82	N/A	N/A	111	N/A	N/A	N/A	N/A	ISO 16649-2:2001
Escherichia coli	CP	Other	<10	cfu/g			Absent	0.82	N/A	N/A	111	N/A	N/A	N/A	N/A	ISO 16649-2:2001
Escherichia coli	YO	Other	<10	cfu/g			Absent	0.82	N/A	N/A	111	N/A	N/A	N/A	N/A	ISO 16649-2:2001
Escherichia coli	PSB	Other	<10	cfu/g			Absent	0.82	N/A	N/A	111	N/A	N/A	N/A	N/A	ISO 16649-2:2001
Bacillus cereus	Lab Result	Other	<100	cfu/g			Absent	0.16	N/A	N/A	40	N/A	N/A	N/A	N/A	ISO 7932:2004
Bacillus cereus	HS	Other	<100	cfu/g			Absent	0.16	N/A	N/A	40	N/A	N/A	N/A	N/A	ISO 7932:2004
Bacillus cereus	ZM	Other	<100	cfu/g			Absent	0.16	N/A	N/A	40	N/A	N/A	N/A	N/A	ISO 7932:2004
Bacillus cereus	CP	Other	<100	cfu/g			Absent	0.16	N/A	N/A	40	N/A	N/A	N/A	N/A	ISO 7932:2004
Bacillus cereus	YO	Other	<100	cfu/g			Absent	0.16	N/A	N/A	40	N/A	N/A	N/A	N/A	ISO 7932:2004
Bacillus cereus	PSB	Other	<100	cfu/g			Absent	0.16	N/A	N/A	40	N/A	N/A	N/A	N/A	ISO 7932:2004
Coagulase positive staphylococci	Lab Result	BP SP 37	4100	cfu/g	3.61	-0.41	5700	0.01	0.35	N/A	96	3.76	3.68	0.10	0.27	ISO 6888-1:2021
Coagulase positive staphylococci	HS	BP SP 37	5500	cfu/g	3.74	-0.04	5700	0.01	0.35	N/A	96	3.76	3.68	0.10	0.27	ISO 6888-1:2021
Coagulase positive staphylococci	ZM	BP SP 37	3700	cfu/g	3.57	-0.54	5700	0.01	0.35	N/A	96	3.76	3.68	0.10	0.27	ISO 6888-1:2021
Coagulase positive staphylococci	CP	BP SP 37	3500	cfu/g	3.54	-0.61	5700	0.01	0.35	N/A	96	3.76	3.68	0.10	0.27	ISO 6888-1:2021
Coagulase positive staphylococci	YO	BP SP 37	5000	cfu/g	3.70	-0.16	5700	0.01	0.35	N/A	96	3.76	3.68	0.10	0.27	ISO 6888-1:2021
Coagulase positive staphylococci	PSB	BP SP 37	3000	cfu/g	3.48	-0.80	5700	0.01	0.35	N/A	96	3.76	3.68	0.10	0.27	ISO 6888-1:2021
Yeast	Lab Result	Other	20000	cfu/g	4.30	0.06	19000	0.02	0.35	N/A	69	4.28	4.21	0.12	0.30	ISO 21527-2:2008
Yeast	HS	Other	22000	cfu/g	4.34	0.18	19000	0.02	0.35	N/A	69	4.28	4.21	0.12	0.30	ISO 21527-2:2008

Analyte	Analyst	Method	Result	Units	Log_{10}	Z Score	Assigned Value	Ux AV	SDPA	Exp.SDPA	Number of results	Median	Mean	Robust SD	SD	Your Reference
Yeast	ZM	Other	21000	cfu/g	4.32	0.12	19000	0.02	0.35	N/A	69	4.28	4.21	0.12	0.30	ISO 21527-2:2008
Yeast	CP	Other	21000	cfu/g	4.32	0.12	19000	0.02	0.35	N/A	69	4.28	4.21	0.12	0.30	ISO 21527-2:2008
Yeast	YO	Other	17000	cfu/g	4.23	-0.14	19000	0.02	0.35	N/A	69	4.28	4.21	0.12	0.30	ISO 21527-2:2008
Yeast	PSB	Other	18000	cfu/g	4.26	-0.07	19000	0.02	0.35	N/A	69	4.28	4.21	0.12	0.30	ISO 21527-2:2008
Mould	Lab Result	Other	320	cfu/g	2.51	-0.55	500	0.04	0.35	N/A	69	2.70	2.68	0.29	0.35	ISO 21527-2:2008
Mould	HS	Other	320	cfu/g	2.51	-0.55	500	0.04	0.35	N/A	69	2.70	2.68	0.29	0.35	ISO 21527-2:2008
Mould	ZM	Other	330	cfu/g	2.52	-0.52	500	0.04	0.35	N/A	69	2.70	2.68	0.29	0.35	ISO 21527-2:2008
Mould	CP	Other	320	cfu/g	2.51	-0.55	500	0.04	0.35	N/A	69	2.70	2.68	0.29	0.35	ISO 21527-2:2008
Mould	YO	Other	290	cfu/g	2.46	-0.68	500	0.04	0.35	N/A	69	2.70	2.68	0.29	0.35	ISO 21527-2:2008
Mould	PSB	Other	350	cfu/g	2.54	-0.44	500	0.04	0.35	N/A	69	2.70	2.68	0.29	0.35	ISO 21527-2:2008

756 - Quantitative Package vial B

Analyte	Analyst	Method	Result	Units	Log 10	Z Score	Assigned Value	Ux AV	SDPA	Exp.SDPA	Number of results	Median	Mean	Robust SD	SD	Your Reference
Total aerobic mesophilic count	Lab Result	Other	52000	cfu/g	4.72	-0.19	60498	0.02	0.35	N/A	111	4.78	4.76	0.16	0.29	P-LM-049. Revisión 3. 2017
Total aerobic mesophilic count	HS	Other	57000	cfu/g	4.76	-0.07	60498	0.02	0.35	N/A	111	4.78	4.76	0.16	0.29	P-LM-049. Revisión 3. 2017
Total aerobic mesophilic count	ZM	Other	49000	cfu/g	4.69	-0.26	60498	0.02	0.35	N/A	111	4.78	4.76	0.16	0.29	P-LM-049. Revisión 3. 2017
Total aerobic mesophilic count	CP	Other	46000	cfu/g	4.66	-0.34	60498	0.02	0.35	N/A	111	4.78	4.76	0.16	0.29	P-LM-049. Revisión 3. 2017
Total aerobic mesophilic count	YO	Other	52000	cfu/g	4.72	-0.19	60498	0.02	0.35	N/A	111	4.78	4.76	0.16	0.29	P-LM-049. Revisión 3. 2017
Total aerobic mesophilic count	PSB	Other	56000	cfu/g	4.75	-0.10	60498	0.02	0.35	N/A	111	4.78	4.76	0.16	0.29	P-LM-049. Revisión 3. 2017
Coliforms	Lab Result	Other	7800	cfu/g	3.89	-1.02	17800	0.03	0.35	N/A	100	4.25	4.18	0.24	0.37	NTC 4458:2018
Coliforms	HS	Other	7000	cfu/g	3.85	-1.16	17800	0.03	0.35	N/A	100	4.25	4.18	0.24	0.37	NTC 4458:2018
Coliforms	ZM	Other	6000	cfu/g	3.78	-1.35	17800	0.03	0.35	N/A	100	4.25	4.18	0.24	0.37	NTC 4458:2018
Coliforms	CP	Other	10000	cfu/g	4.00	-0.72	17800	0.03	0.35	N/A	100	4.25	4.18	0.24	0.37	NTC 4458:2018
Coliforms	YO	Other	7000	cfu/g	3.85	-1.16	17800	0.03	0.35	N/A	100	4.25	4.18	0.24	0.37	NTC 4458:2018
Coliforms	PSB	Other	9000	cfu/g	3.95	-0.85	17800	0.03	0.35	N/A	100	4.25	4.18	0.24	0.37	NTC 4458:2018
Escherichia coli	Lab Result	Other	7800	cfu/g	3.89	-0.96	16900	0.03	0.35	N/A	109	4.23	4.13	0.23	0.37	NTC 4458:2018
Escherichia coli	HS	Other	7000	cfu/g	3.85	-1.09	16900	0.03	0.35	N/A	109	4.23	4.13	0.23	0.37	NTC 4458:2018
Escherichia coli	ZM	Other	6000	cfu/g	3.78	-1.28	16900	0.03	0.35	N/A	109	4.23	4.13	0.23	0.37	NTC 4458:2018
Escherichia coli	CP	Other	10000	cfu/g	4.00	-0.65	16900	0.03	0.35	N/A	109	4.23	4.13	0.23	0.37	NTC 4458:2018
Escherichia coli	YO	Other	7000	cfu/g	3.85	-1.09	16900	0.03	0.35	N/A	109	4.23	4.13	0.23	0.37	NTC 4458:2018
Escherichia coli	PSB	Other	9000	cfu/g	3.95	-0.78	16900	0.03	0.35	N/A	109	4.23	4.13	0.23	0.37	NTC 4458:2018
Bacillus cereus	Lab Result	Other	18000	cfu/g	4.26	-0.26	22200	0.04	0.35	N/A	39	4.35	4.32	0.19	0.27	ISO 7932:2004
Bacillus cereus	HS	Other	18000	cfu/g	4.26	-0.26	22200	0.04	0.35	N/A	39	4.35	4.32	0.19	0.27	ISO 7932:2004
Bacillus cereus	ZM	Other	16000	cfu/g	4.20	-0.41	22200	0.04	0.35	N/A	39	4.35	4.32	0.19	0.27	ISO 7932:2004
Bacillus cereus	CP	Other	20000	cfu/g	4.30	-0.13	22200	0.04	0.35	N/A	39	4.35	4.32	0.19	0.27	ISO 7932:2004
Bacillus cereus	YO	Other	18000	cfu/g	4.26	-0.26	22200	0.04	0.35	N/A	39	4.35	4.32	0.19	0.27	ISO 7932:2004
Bacillus cereus	PSB	Other	15000	cfu/g	4.18	-0.49	22200	0.04	0.35	N/A	39	4.35	4.32	0.19	0.27	ISO 7932:2004
Coagulase positive staphylococci	Lab Result	BP SP 37	6100	cfu/g	3.79	-0.34	8000	0.02	0.35	N/A	94	3.90	3.82	0.14	0.29	ISO 6888-1:2021
Coagulase positive staphylococci	HS	BP SP 37	4700	cfu/g	3.67	-0.66	8000	0.02	0.35	N/A	94	3.90	3.82	0.14	0.29	ISO 6888-1:2021
Coagulase positive staphylococci	ZM	BP SP 37	5200	cfu/g	3.72	-0.53	8000	0.02	0.35	N/A	94	3.90	3.82	0.14	0.29	ISO 6888-1:2021

Analyte	Analyst	Method	Result	Units	Log 10	Z Score	Assigned Value	Ux AV	SDPA	Exp.SDPA	Number of results	Median	Mean	Robust SD	SD	Your Reference
Coagulase positive staphylococci	CP	BP SP 37	5600	cfu/g	3.75	-0.44	8000	0.02	0.35	N/A	94	3.90	3.82	0.14	0.29	ISO 6888-1:2021
Coagulase positive staphylococci	YO	BP SP 37	7000	cfu/g	3.85	-0.17	8000	0.02	0.35	N/A	94	3.90	3.82	0.14	0.29	ISO 6888-1:2021
Coagulase positive staphylococci	PSB	BP SP 37	8000	cfu/g	3.90	0.00	8000	0.02	0.35	N/A	94	3.90	3.82	0.14	0.29	ISO 6888-1:2021
Yeast	Lab Result	Other	2300	cfu/g	3.36	-1.17	5900	0.02	0.35	N/A	65	3.77	3.71	0.12	0.25	ISO 21527-1:2008
Yeast	HS	Other	2500	cfu/g	3.40	-1.07	5900	0.02	0.35	N/A	65	3.77	3.71	0.12	0.25	ISO 21527-1:2008
Yeast	ZM	Other	2300	cfu/g	3.36	-1.17	5900	0.02	0.35	N/A	65	3.77	3.71	0.12	0.25	ISO 21527-1:2008
Yeast	CP	Other	2000	cfu/g	3.30	-1.34	5900	0.02	0.35	N/A	65	3.77	3.71	0.12	0.25	ISO 21527-1:2008
Yeast	YO	Other	2400	cfu/g	3.38	-1.12	5900	0.02	0.35	N/A	65	3.77	3.71	0.12	0.25	ISO 21527-1:2008
Yeast	PSB	Other	2500	cfu/g	3.40	-1.07	5900	0.02	0.35	N/A	65	3.77	3.71	0.12	0.25	ISO 21527-1:2008
Mould	Lab Result	Other	<10	cfu/g			Absent	0.40	N/A	N/A	65	N/A	N/A	N/A	N/A	ISO 21527-1:2008
Mould	HS	Other	<10	cfu/g			Absent	0.40	N/A	N/A	65	N/A	N/A	N/A	N/A	ISO 21527-1:2008
Mould	ZM	Other	<10	cfu/g			Absent	0.40	N/A	N/A	65	N/A	N/A	N/A	N/A	ISO 21527-1:2008
Mould	CP	Other	<10	cfu/g			Absent	0.40	N/A	N/A	65	N/A	N/A	N/A	N/A	ISO 21527-1:2008
Mould	YO	Other	<10	cfu/g			Absent	0.40	N/A	N/A	65	N/A	N/A	N/A	N/A	ISO 21527-1:2008
Mould	PSB	Other	<10	cfu/g			Absent	0.40	N/A	N/A	65	N/A	N/A	N/A	N/A	ISO 21527-1:2008

757 - Qualitative Package vial A

Analyte	Result Field	Analyst	Method	Result	Assigned Value	Number of results	Satisfactory %	Unsatisfactory %	Your Reference
Escherichia coli O157 (P/A)	Result	Lab Result	PCR	Detected	Detected	78	96.2%	3.8%	PCR en tiempo real CFX . Biorad AOAC 121203
Escherichia coli O157 (P/A)	Result	PSB	PCR	Detected	Detected	78	96.2%	3.8%	PCR en tiempo real CFX . Biorad AOAC 121203
Escherichia coli O157 (P/A)	Result	AS	PCR	Detected	Detected	78	96.2%	3.8%	PCR en tiempo real CFX . Biorad AOAC 121203
Listeria species (P/A)	Result	HS	Other	Detected	Detected	93	100.0%	0.0%	ISO 11290-1:2017
Listeria species (P/A)	Result	Lab Result	Other	Detected	Detected	93	100.0%	0.0%	ISO 11290-1:2017
Listeria species (P/A)	Result	CP	Other	Detected	Detected	93	100.0%	0.0%	ISO 11290-1:2017
Listeria species (P/A)	Result	ZM	Other	Detected	Detected	93	100.0%	0.0%	ISO 11290-1:2017
Listeria species (P/A)	Result	PSB	Other	Detected	Detected	93	100.0%	0.0%	ISO 11290-1:2017
Listeria species (P/A)	Result	YO	Other	Detected	Detected	93	100.0%	0.0%	ISO 11290-1:2017
Listeria monocytogenes (P/A)	Result	HS	Other	Detected	Detected	104	98.1%	1.9%	ISO 11290-1:2017
Listeria monocytogenes (P/A)	Result	Lab Result	Other	Detected	Detected	104	98.1%	1.9%	ISO 11290-1:2017
Listeria monocytogenes (P/A)	Result	CP	Other	Detected	Detected	104	98.1%	1.9%	ISO 11290-1:2017
Listeria monocytogenes (P/A)	Result	ZM	Other	Detected	Detected	104	98.1%	1.9%	ISO 11290-1:2017
Listeria monocytogenes (P/A)	Result	PSB	Other	Detected	Detected	104	98.1%	1.9%	ISO 11290-1:2017
Listeria monocytogenes (P/A)	Result	YO	Other	Detected	Detected	104	98.1%	1.9%	ISO 11290-1:2017
Salmonella species (P/A)	Result	HS	Other	Detected	Detected	144	99.3%	0.7%	ISO 6579-1:2017
Salmonella species (P/A)	Result	Lab Result	Other	Detected	Detected	144	99.3%	0.7%	ISO 6579-1:2017
Salmonella species (P/A)	Result	CP	Other	Detected	Detected	144	99.3%	0.7%	ISO 6579-1:2017
Salmonella species (P/A)	Result	ZM	Other	Detected	Detected	144	99.3%	0.7%	ISO 6579-1:2017
Salmonella species (P/A)	Result	PSB	Other	Detected	Detected	144	99.3%	0.7%	ISO 6579-1:2017
Salmonella species (P/A)	Result	YO	Other	Detected	Detected	144	99.3%	0.7%	ISO 6579-1:2017

757 - Qualitative Package vial B

Analyte	Result Field	Analyst	Method	Result	Assigned Value	Number of results	Satisfactory %	Unsatisfactory %	Your Reference
Escherichia coli O157 (P/A)	Result	AS	PCR	Detected	Detected	79	97.5%	2.5%	PCR en tiempo real CFX - Biorad AOAC 121203
Escherichia coli O157 (P/A)	Result	Lab Result	PCR	Detected	Detected	79	97.5%	2.5%	PCR en tiempo real CFX - Biorad AOAC 121203
Escherichia coli O157 (P/A)	Result	PSB	PCR	Detected	Detected	79	97.5%	2.5%	PCR en tiempo real CFX - Biorad AOAC 121203
Listeria monocytogenes (P/A)	Result	Lab Result	PCR	Detected	Detected	108	98.1%	1.9%	PCR en tiempo real CF Biorad - AOAC-RI 010802
Listeria monocytogenes (P/A)	Result	PSB	PCR	Detected	Detected	108	98.1%	1.9%	PCR en tiempo real CF Biorad - AOAC-RI 010802
Listeria monocytogenes (P/A)	Result	AS	PCR	Detected	Detected	108	98.1%	1.9%	PCR en tiempo real CF Biorad - AOAC-RI 010802
Salmonella species (P/A)	Result	AS	PCR	Detected	Detected	141	99.3%	0.7%	PCR en tiempo real CFX -Biorad. AOAC 2017.06 21st Ed. 2019
Salmonella species (P/A)	Result	Lab Result	PCR	Detected	Detected	141	99.3%	0.7%	PCR en tiempo real CFX -Biorad. AOAC 2017.06 21st Ed. 2019
Salmonella species (P/A)	Result	PSB	PCR	Detected	Detected	141	99.3%	0.7%	PCR en tiempo real CFX -Biorad. AOAC 2017.06 21st Ed. 2019

Meat & Fish (QMAS) Individual Report

MT317 Round 317

MT7333 - Biotrends Laboratorios

Issue Number: 1

Issued: 14/11/2022

0001

LGC Proficiency Testing

1 Chamberhall Business Park | Chamberhall Green | Bury | United Kingdom | BL9 0AP

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Sample Details

Samples were despatched: 19 September 2022

Reporting Deadline Date: 31 October 2022

The following samples were distributed in QMAS Round 317:

Chemistry

Sample	Matrix
730	150g dried/cured meat
741	Elements in seafood

Microbiology

Sample	Matrix	Contents
726	Lyophilised vial with 10g lyophilised meat	*Campylobacter jejuni*
727	Lyophilised vial	*Escherichia coli* O157 (non-toxigenic)
		Salmonella Bredeney
735	10g Lyophilised meat	*Klebsiella oxytoca*
		Bacillus spizizenii
736	25g Lyophilised meat	*Salmonella* Oranienburg
737	25g Lyophilised meat	*Listeria monocytogenes*
		Listeria innocua
738	10g Lyophilised meat	*Clostridium perfringens*
		Staphylococcus aureus
739	Lyophilised vial with 10g lyophilised shellfish	*Escherichia coli*
		Staphylococcus epidermidis
		Enterobacter cloacae
740	Lyophilised vial with 25g lyophilised shellfish	*Salmonella* Thompson
		Escherichia coli
743	Lyophilised vial with 25g lyophilised meat	*Campylobacter jejuni*
744	Lyophilised vial with 25g lyophilised meat	*Escherichia coli* O157 (non-toxigenic)
745	Lyophilised vial with 25g lyophilised shellfish	*Vibrio parahaemolyticus*
746	10g lyophilised meat	*Rhodotorula mucilaginosa*
		Penicillium commune
		Pseudomonas aeruginosa
756A	Lyophilised vial with 10g meat powder	*Klebsiella oxytoca*
		Staphylococcus aureus
		Rhodotorula mucilaginosa
		Penicillium chrysogenum
756B	Lyophilised vial with 10g meat powder	*Bacillus cereus*
		Escherichia coli
		Staphylococcus aureus
		Candida albicans
757A	Lyophilised vial with 100g meat powder	*Salmonella* Pomona
		Listeria monocytogenes
		Escherichia coli O157 (non-toxigenic)
757B	Lyophilised vial with 100g meat powder	*Escherichia coli* O157 (non-toxigenic)
		Listeria monocytogenes
		Listeria welshimeri
		Salmonella Montevideo

Further information regarding assigned values, performance assessment and technical comments can be found under the individual sample and analyte results.

Individual Report

This individual report contains a summary of all the results submitted and the performance assessment for your laboratory/individual analysts. Please note that the nominated results for each analyte are indicated by the blue highlight in the analyst field.

Full details of the scheme, sample types and data analysis can be found in the corresponding Main Report, along with any technical comments, if applicable. The main report is the definitive version.

If you have any questions regarding your results which are not answered in the Main Report, please contact us using the details provided on the front of the report. If you would like to order any samples for re-testing please visit our web shop at www.lgcstandards.com or contact your local LGC representative.

Assessment Summary

Sample	Assessments Received	Satisfactory Assessments	Questionable Assessments	Unsatisfactory Assessments	Not Assessed
PT-MT-756A	28	24	0	0	4
PT-MT-756B	28	28	0	0	0
PT-MT-757A	16	16	0	0	0
PT-MT-757B	16	16	0	0	0
Round Total	88	84	0	0	4

Result which are Not Assessed should be review by comparing them with the assigned value and other relevant statistics given in the main report. Participants, according to their internal quality criteria, may consider Not Assessed results to be satisfactory, questionable or unsatisfactory. Further information regarding why results may not be assessed is given in the Scheme Information section of the main report.

Repeat PT samples are normally available for purchase, after the completion of the round. These samples can be purchased at a reduced rate if you have taken this sample during the main round. Visit our web shop at www.lgcstandards.com and search for the sample you require.

No unsatisfactory assessments in this round

No questionable assessments in this round

756 - Quantitative Package vial A

Analyte	Analyst	Method	Result	Units	Log_{10}	Z Score	Assigned Value	Ux AV	SDPA	Exp.SDPA	Number of results	Median	Mean	Robust SD	SD	Your Reference
Total aerobic mesophilic count	Lab Result	Other	58000	cfu/g	4.76	0.02	57000	0.01	0.35	N/A	117	4.76	4.69	0.10	0.27	ISO 4833-1:2013
Total aerobic mesophilic count	JL	Other	58000	cfu/g	4.76	0.02	57000	0.01	0.35	N/A	117	4.76	4.69	0.10	0.27	ISO 4833-1:2013
Total aerobic mesophilic count	KM	Other	54000	cfu/g	4.73	-0.07	57000	0.01	0.35	N/A	117	4.76	4.69	0.10	0.27	ISO 4833-1:2013
Total aerobic mesophilic count	LM	Other	61000	cfu/g	4.79	0.08	57000	0.01	0.35	N/A	117	4.76	4.69	0.10	0.27	ISO 4833-1:2013
Coliforms	Lab Result	Other	12000	cfu/g	4.08	-1.29	34000	0.02	0.35	N/A	102	4.53	4.44	0.17	0.32	ISO 4832:2006
Coliforms	JL	Other	12000	cfu/g	4.08	-1.29	34000	0.02	0.35	N/A	102	4.53	4.44	0.17	0.32	ISO 4832:2006
Coliforms	KM	Other	13000	cfu/g	4.11	-1.19	34000	0.02	0.35	N/A	102	4.53	4.44	0.17	0.32	ISO 4832:2006
Coliforms	LM	Other	11000	cfu/g	4.04	-1.40	34000	0.02	0.35	N/A	102	4.53	4.44	0.17	0.32	ISO 4832:2006
Escherichia coli	Lab Result	Other	<10	cfu/g			Absent	0.82	N/A	N/A	111	N/A	N/A	N/A	N/A	ISO 16649-2:2001
Escherichia coli	JL	Other	<10	cfu/g			Absent	0.82	N/A	N/A	111	N/A	N/A	N/A	N/A	ISO 16649-2:2001
Escherichia coli	KM	Other	<10	cfu/g			Absent	0.82	N/A	N/A	111	N/A	N/A	N/A	N/A	ISO 16649-2:2001
Escherichia coli	LM	Other	<10	cfu/g			Absent	0.82	N/A	N/A	111	N/A	N/A	N/A	N/A	ISO 16649-2:2001
Bacillus cereus	Lab Result	Other	<100	cfu/g			Absent	0.16	N/A	N/A	40	N/A	N/A	N/A	N/A	ISO 7932:2004
Bacillus cereus	JL	Other	<100	cfu/g			Absent	0.16	N/A	N/A	40	N/A	N/A	N/A	N/A	ISO 7932:2004
Bacillus cereus	KM	Other	<100	cfu/g			Absent	0.16	N/A	N/A	40	N/A	N/A	N/A	N/A	ISO 7932:2004
Bacillus cereus	LM	Other	<100	cfu/g			Absent	0.16	N/A	N/A	40	N/A	N/A	N/A	N/A	ISO 7932:2004
Coagulase positive staphylococci	Lab Result	BP SP 37	4100	cfu/g	3.61	-0.41	5700	0.01	0.35	N/A	96	3.76	3.68	0.10	0.27	ISO 6888-1:2021
Coagulase positive staphylococci	JL	BP SP 37	4600	cfu/g	3.66	-0.27	5700	0.01	0.35	N/A	96	3.76	3.68	0.10	0.27	ISO 6888-1:2021
Coagulase positive staphylococci	KM	BP SP 37	4500	cfu/g	3.65	-0.29	5700	0.01	0.35	N/A	96	3.76	3.68	0.10	0.27	ISO 6888-1:2021
Coagulase positive staphylococci	LM	BP SP 37	3300	cfu/g	3.52	-0.68	5700	0.01	0.35	N/A	96	3.76	3.68	0.10	0.27	ISO 6888-1:2021
Yeast	Lab Result	Other	17000	cfu/g	4.23	-0.14	19000	0.02	0.35	N/A	69	4.28	4.21	0.12	0.30	ISO 21527-2:2008
Yeast	JL	Other	18000	cfu/g	4.26	-0.07	19000	0.02	0.35	N/A	69	4.28	4.21	0.12	0.30	ISO 21527-2:2008
Yeast	KM	Other	15000	cfu/g	4.18	-0.29	19000	0.02	0.35	N/A	69	4.28	4.21	0.12	0.30	ISO 21527-2:2008
Yeast	LM	Other	19000	cfu/g	4.28	0.00	19000	0.02	0.35	N/A	69	4.28	4.21	0.12	0.30	ISO 21527-2:2008
Mould	Lab Result	Other	280	cfu/g	2.45	-0.72	500	0.04	0.35	N/A	69	2.70	2.68	0.29	0.35	ISO 21527-2:2008
Mould	JL	Other	220	cfu/g	2.34	-1.02	500	0.04	0.35	N/A	69	2.70	2.68	0.29	0.35	ISO 21527-2:2008
Mould	KM	Other	320	cfu/g	2.51	-0.55	500	0.04	0.35	N/A	69	2.70	2.68	0.29	0.35	ISO 21527-2:2008
Mould	LM	Other	300	cfu/g	2.48	-0.63	500	0.04	0.35	N/A	69	2.70	2.68	0.29	0.35	ISO 21527-2:2008

756 - Quantitative Package vial B

Analyte	Analyst	Method	Result	Units	Log 10	Z Score	Assigned Value	Ux AV	SDPA	Exp.SDPA	Number of results	Median	Mean	Robust SD	SD	Your Reference
Total aerobic mesophilic count	Lab Result	Other	48000	cfu/g	4.68	-0.29	60498	0.02	0.35	N/A	111	4.78	4.76	0.16	0.29	P-LM-049. Revisión 3 . 2017
Total aerobic mesophilic count	JL	Other	48000	cfu/g	4.68	-0.29	60498	0.02	0.35	N/A	111	4.78	4.76	0.16	0.29	P-LM-049. Revisión 3 . 2017
Total aerobic mesophilic count	KM	Other	46000	cfu/g	4.66	-0.34	60498	0.02	0.35	N/A	111	4.78	4.76	0.16	0.29	P-LM-049. Revisión 3 . 2017
Total aerobic mesophilic count	LM	Other	51000	cfu/g	4.71	-0.21	60498	0.02	0.35	N/A	111	4.78	4.76	0.16	0.29	P-LM-049. Revisión 3 . 2017
Coliforms	Lab Result	Other	8000	cfu/g	3.90	-0.99	17800	0.03	0.35	N/A	100	4.25	4.18	0.24	0.37	NTC 4458:2018
Coliforms	JL	Other	9500	cfu/g	3.98	-0.78	17800	0.03	0.35	N/A	100	4.25	4.18	0.24	0.37	NTC 4458:2018
Coliforms	KM	Other	8000	cfu/g	3.90	-0.99	17800	0.03	0.35	N/A	100	4.25	4.18	0.24	0.37	NTC 4458:2018
Coliforms	LM	Other	6400	cfu/g	3.81	-1.27	17800	0.03	0.35	N/A	100	4.25	4.18	0.24	0.37	NTC 4458:2018
Escherichia coli	Lab Result	Other	8000	cfu/g	3.90	-0.93	16900	0.03	0.35	N/A	109	4.23	4.13	0.23	0.37	NTC 4458:2018
Escherichia coli	JL	Other	9500	cfu/g	3.98	-0.71	16900	0.03	0.35	N/A	109	4.23	4.13	0.23	0.37	NTC 4458:2018
Escherichia coli	KM	Other	8000	cfu/g	3.90	-0.93	16900	0.03	0.35	N/A	109	4.23	4.13	0.23	0.37	NTC 4458:2018
Escherichia coli	LM	Other	6400	cfu/g	3.81	-1.20	16900	0.03	0.35	N/A	109	4.23	4.13	0.23	0.37	NTC 4458:2018
Bacillus cereus	Lab Result	Other	19000	cfu/g	4.28	-0.19	22200	0.04	0.35	N/A	39	4.35	4.32	0.19	0.27	ISO 7932:2004
Bacillus cereus	JL	Other	19000	cfu/g	4.28	-0.19	22200	0.04	0.35	N/A	39	4.35	4.32	0.19	0.27	ISO 7932:2004
Bacillus cereus	KM	Other	20000	cfu/g	4.30	-0.13	22200	0.04	0.35	N/A	39	4.35	4.32	0.19	0.27	ISO 7932:2004
Bacillus cereus	LM	Other	19000	cfu/g	4.28	-0.19	22200	0.04	0.35	N/A	39	4.35	4.32	0.19	0.27	ISO 7932:2004
Coagulase positive staphylococci	Lab Result	BP SP 37	6600	cfu/g	3.82	-0.24	8000	0.02	0.35	N/A	94	3.90	3.82	0.14	0.29	ISO 6888-1:2021
Coagulase positive staphylococci	JL	BP SP 37	7600	cfu/g	3.88	-0.06	8000	0.02	0.35	N/A	94	3.90	3.82	0.14	0.29	ISO 6888-1:2021
Coagulase positive staphylococci	KM	BP SP 37	7500	cfu/g	3.88	-0.08	8000	0.02	0.35	N/A	94	3.90	3.82	0.14	0.29	ISO 6888-1:2021
Coagulase positive staphylococci	LM	BP SP 37	4700	cfu/g	3.67	-0.66	8000	0.02	0.35	N/A	94	3.90	3.82	0.14	0.29	ISO 6888-1:2021
Yeast	Lab Result	Other	3700	cfu/g	3.57	-0.58	5900	0.02	0.35	N/A	65	3.77	3.71	0.12	0.25	ISO 21527-1:2008
Yeast	JL	Other	3100	cfu/g	3.49	-0.80	5900	0.02	0.35	N/A	65	3.77	3.71	0.12	0.25	ISO 21527-1:2008
Yeast	KM	Other	4000	cfu/g	3.60	-0.48	5900	0.02	0.35	N/A	65	3.77	3.71	0.12	0.25	ISO 21527-1:2008
Yeast	LM	Other	4100	cfu/g	3.61	-0.45	5900	0.02	0.35	N/A	65	3.77	3.71	0.12	0.25	ISO 21527-1:2008
Mould	Lab Result	Other	<10	cfu/g			Absent	0.40	N/A	N/A	65	N/A	N/A	N/A	N/A	ISO 21527-1:2008
Mould	JL	Other	<10	cfu/g			Absent	0.40	N/A	N/A	65	N/A	N/A	N/A	N/A	ISO 21527-1:2008
Mould	KM	Other	<10	cfu/g			Absent	0.40	N/A	N/A	65	N/A	N/A	N/A	N/A	ISO 21527-1:2008

Analyte	Analyst	Method	Result	Units	Log 10	Z Score	Assigned Value	Ux AV	SDPA	Exp.SDPA	Number of results	Median	Mean	Robust SD	SD	Your Reference
Mould	LM	Other	<10	cfu/g			Absent	0.40	N/A	N/A	65	N/A	N/A	N/A	N/A	ISO 21527-1:2008

757 - Qualitative Package vial A

Analyte	Result Field	Analyst	Method	Result	Assigned Value	Number of results	Satisfactory %	Unsatisfactory %	Your Reference
Escherichia coli O157 (P/A)	Result	JL	PCR	Detected	Detected	78	96.2%	3.8%	PCR en tiempo real CFX - Biorad AOAC 121203
Escherichia coli O157 (P/A)	Result	LM	PCR	Detected	Detected	78	96.2%	3.8%	PCR en tiempo real CFX - Biorad AOAC 121203
Escherichia coli O157 (P/A)	Result	Lab Result	PCR	Detected	Detected	78	96.2%	3.8%	PCR en tiempo real CFX - Biorad AOAC 121203
Escherichia coli O157 (P/A)	Result	KM	PCR	Detected	Detected	78	96.2%	3.8%	PCR en tiempo real CFX - Biorad AOAC 121203
Listeria species (P/A)	Result	Lab Result	Other	Detected	Detected	93	100.0%	0.0%	ISO 11290-1:2017
Listeria species (P/A)	Result	KM	Other	Detected	Detected	93	100.0%	0.0%	ISO 11290-1:2017
Listeria species (P/A)	Result	JL	Other	Detected	Detected	93	100.0%	0.0%	ISO 11290-1:2017
Listeria species (P/A)	Result	LM	Other	Detected	Detected	93	100.0%	0.0%	ISO 11290-1:2017
Listeria monocytogenes (P/A)	Result	KM	Other	Detected	Detected	104	98.1%	1.9%	ISO 11290-1:2017
Listeria monocytogenes (P/A)	Result	JL	Other	Detected	Detected	104	98.1%	1.9%	ISO 11290-1:2017
Listeria monocytogenes (P/A)	Result	LM	Other	Detected	Detected	104	98.1%	1.9%	ISO 11290-1:2017
Listeria monocytogenes (P/A)	Result	Lab Result	Other	Detected	Detected	104	98.1%	1.9%	ISO 11290-1:2017
Salmonella species (P/A)	Result	Lab Result	Other	Detected	Detected	144	99.3%	0.7%	ISO 6579-1:2017
Salmonella species (P/A)	Result	KM	Other	Detected	Detected	144	99.3%	0.7%	ISO 6579-1:2017
Salmonella species (P/A)	Result	JL	Other	Detected	Detected	144	99.3%	0.7%	ISO 6579-1:2017
Salmonella species (P/A)	Result	LM	Other	Detected	Detected	144	99.3%	0.7%	ISO 6579-1:2017

757 - Qualitative Package vial B

Analyte	Result Field	Analyst	Method	Result	Assigned Value	Number of results	Satisfactory %	Unsatisfactory %	Your Reference
Escherichia coli O157 (P/A)	Result	JL	PCR	Detected	Detected	79	97.5%	2.5%	PCR en tiempo real CFX- Biorad AOAC 121203
Escherichia coli O157 (P/A)	Result	Lab Result	PCR	Detected	Detected	79	97.5%	2.5%	PCR en tiempo real CFX- Biorad AOAC 121203
Escherichia coli O157 (P/A)	Result	LM	PCR	Detected	Detected	79	97.5%	2.5%	PCR en tiempo real CFX- Biorad AOAC 121203
Escherichia coli O157 (P/A)	Result	KM	PCR	Detected	Detected	79	97.5%	2.5%	PCR en tiempo real CFX- Biorad AOAC 121203
Listeria species (P/A)	Result	JL	Other	Detected	Detected	92	100.0%	0.0%	ISO 11290-1:2017
Listeria species (P/A)	Result	Lab Result	Other	Detected	Detected	92	100.0%	0.0%	ISO 11290-1:2017
Listeria species (P/A)	Result	LM	Other	Detected	Detected	92	100.0%	0.0%	ISO 11290-1:2017
Listeria species (P/A)	Result	KM	Other	Detected	Detected	92	100.0%	0.0%	ISO 11290-1:2017
Listeria monocytogenes (P/A)	Result	JL	PCR	Detected	Detected	108	98.1%	1.9%	PCR en tiempo real CFX- Biorad AOAC-RI 010802
Listeria monocytogenes (P/A)	Result	Lab Result	PCR	Detected	Detected	108	98.1%	1.9%	PCR en tiempo real CFX- Biorad AOAC-RI 010802
Listeria monocytogenes (P/A)	Result	LM	PCR	Detected	Detected	108	98.1%	1.9%	PCR en tiempo real CFX- Biorad AOAC-RI 010802
Listeria monocytogenes (P/A)	Result	KM	PCR	Detected	Detected	108	98.1%	1.9%	PCR en tiempo real CFX- Biorad AOAC-RI 010802
Salmonella species (P/A)	Result	JL	PCR	Detected	Detected	141	99.3%	0.7%	PCR en tiempo real CFX -Biorad AOAC 2017.06 21st Ed. 2019
Salmonella species (P/A)	Result	Lab Result	PCR	Detected	Detected	141	99.3%	0.7%	PCR en tiempo real CFX -Biorad AOAC 2017.06 21st Ed. 2019
Salmonella species (P/A)	Result	LM	PCR	Detected	Detected	141	99.3%	0.7%	PCR en tiempo real CFX -Biorad AOAC 2017.06 21st Ed. 2019
Salmonella species (P/A)	Result	KM	PCR	Detected	Detected	141	99.3%	0.7%	PCR en tiempo real CFX -Biorad AOAC 2017.06 21st Ed. 2019

Water Microbiology (QWAS) Individual Report

WT330 Round 330

WT0694 - Biotrends Laboratorios

Issue Number: 1

Issued: 16/11/2023

0001

LGC Proficiency Testing

1 Chamberhall Business Park | Chamberhall Green | Bury | United Kingdom | BL9 0AP

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Sample Details

Samples were despatched: 09 October 2023

Reporting Deadline Date: 13 November 2023

The following samples were distributed in QWAS Round 330:
Further information regarding assigned values, performance assessment and technical comments can be found under the individual sample and analyte result.

Sample	Matrix	Contents	Serology
412	Lyophilised vial	*Rothia kristinae* *Escherichia coli* *Enterococcus faecalis*	
413	Lyophilised vial	*Clostridium perfringens* *Wickerhamomyces anomalus* *Penicillium italicum*	
414	Lyophilised vial	*Rothia kristinae* *Pseudomonas aeruginosa* *Penicillium chrysogenum*	
416	Simulated sludge	*Salmonella* Senegal @ 1550 cfu/g *Escherichia coli*	Group F
419	Lyophilised vial	*Escherichia coli* *Citrobacter freundii* *Enterococcus faecium* *Salmonella* Manchester @ 480 cfu/L	Group C2
420	Lyophilised vial	*Rothia kristinae* *Escherichia coli* *Enterococcus faecium*	
421	Lyophilised vial	*Staphylococcus aureus* *Clostridium perfringens*	
422	Lyophilised vial	*Escherichia coli* *Enterococcus hirae* *Salmonella* Anatum @ 93 cfu/L	Group E1
423	Lyophilised vial	*Legionella longbeachae*	
430A	1.5ml vial + Waste water matrix	SARS-CoV-2 Omicron @10,840 copies/ml	
430B	1.5ml vial + Waste water matrix	SARS-CoV-2 Delta @ 11,820 copies/ml	
431	Lyophilised pellet	Somatic coliphage ΦX174	

Individual Report

This individual report contains a summary of all the results submitted and the performance assessment for your laboratory/individual analysts. Please note that the nominated results for each analyte are indicated by the blue highlight in the analyst field.

Full details of the scheme, sample types and data analysis can be found in the corresponding Main Report, along with any technical comments, if applicable. The main report is the definitive version.

If you have any questions regarding your results which are not answered in the Main Report, please contact us using the details provided on the front of the report. If you would like to order any samples for re-testing please visit our web shop at www.lgcstandards.com or contact your local LGC representative.

Assessment Summary

Sample	Assessments Received	Satisfactory Assessments	Questionable Assessments	Unsatisfactory Assessments	Not Assessed
PT-WT-412	12	12	0	0	0
Round Total	12	12	0	0	0

Result which are Not Assessed should be review by comparing them with the assigned value and other relevant statistics given in the main report. Participants, according to their internal quality criteria, may consider Not Assessed results to be satisfactory, questionable or unsatisfactory. Further information regarding why results may not be assessed is given in the Scheme Information section of the main report.

Repeat PT samples are normally available for purchase, after the completion of the round. These samples can be purchased at a reduced rate if you have taken this sample during the main round. Visit our web shop at www.lgcstandards.com and search for the sample you require.

No unsatisfactory assessments in this round

No questionable assessments in this round

412 - Potable Water Indicator combination

Analyte	Analyst	Method	Result	Units	Log 10	Z Score	Assigned Value	Ux AV	SDPA	Exp.SDPA	Number of results	Median	Mean	Robust SD	SD	Your Reference
Escherichia coli	Lab Result	MEMF Chromogenic agar 37	51	cfu/ 100mL	1.71	-0.33	66	0.01	0.35	N/A	222	1.82	1.80	0.11	0.17	ISO 9308-1:2014
Escherichia coli	MJG	MEMF Chromogenic agar 37	50	cfu/ 100mL	1.70	-0.35	66	0.01	0.35	N/A	222	1.82	1.80	0.11	0.17	ISO 9308-1:2014
Escherichia coli	SJ	MEMF Chromogenic agar 37	49	cfu/ 100mL	1.69	-0.38	66	0.01	0.35	N/A	222	1.82	1.80	0.11	0.17	ISO 9308-1:2014
Escherichia coli	SC	MEMF Chromogenic agar 37	53	cfu/ 100mL	1.72	-0.28	66	0.01	0.35	N/A	222	1.82	1.80	0.11	0.17	ISO 9308-1:2014
Escherichia coli	SM	MEMF Chromogenic agar 37	54	cfu/ 100mL	1.73	-0.26	66	0.01	0.35	N/A	222	1.82	1.80	0.11	0.17	ISO 9308-1:2014
Escherichia coli	HS	MEMF Chromogenic agar 37	48	cfu/ 100mL	1.68	-0.40	66	0.01	0.35	N/A	222	1.82	1.80	0.11	0.17	ISO 9308-1:2014
Coliforms	Lab Result	MEMF Chromogenic agar 37	51	cfu/ 100mL	1.71	-0.36	68	0.01	0.35	N/A	226	1.83	1.81	0.10	0.15	ISO 9308-1:2014
Coliforms	MJG	MEMF Chromogenic agar 37	50	cfu/ 100mL	1.70	-0.38	68	0.01	0.35	N/A	226	1.83	1.81	0.10	0.15	ISO 9308-1:2014
Coliforms	SJ	MEMF Chromogenic agar 37	49	cfu/ 100mL	1.69	-0.41	68	0.01	0.35	N/A	226	1.83	1.81	0.10	0.15	ISO 9308-1:2014
Coliforms	SC	MEMF Chromogenic agar 37	53	cfu/ 100mL	1.72	-0.31	68	0.01	0.35	N/A	226	1.83	1.81	0.10	0.15	ISO 9308-1:2014
Coliforms	SM	MEMF Chromogenic agar 37	54	cfu/ 100mL	1.73	-0.29	68	0.01	0.35	N/A	226	1.83	1.81	0.10	0.15	ISO 9308-1:2014
Coliforms	HS	MEMF Chromogenic agar 37	48	cfu/ 100mL	1.68	-0.43	68	0.01	0.35	N/A	226	1.83	1.81	0.10	0.15	ISO 9308-1:2014

Water Microbiology (QWAS) Individual Report

WT330 Round 330

WT2752 - Biotrends Laboratorios

Issue Number: 1

Issued: 16/11/2023

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LGC Proficiency Testing

1 Chamberhall Business Park | Chamberhall Green | Bury | United Kingdom | BL9 0AP

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Sample Details

Samples were despatched: 09 October 2023

Reporting Deadline Date: 13 November 2023

The following samples were distributed in QWAS Round 330:
Further information regarding assigned values, performance assessment and technical comments can be found under the individual sample and analyte result.

Sample	Matrix	Contents	Serology
412	Lyophilised vial	*Rothia kristinae*	
		Escherichia coli	
		Enterococcus faecalis	
413	Lyophilised vial	*Clostridium perfringens*	
		Wickerhamomyces anomalus	
		Penicillium italicum	
414	Lyophilised vial	*Rothia kristinae*	
		Pseudomonas aeruginosa	
		Penicillium chrysogenum	
416	Simulated sludge	*Salmonella* Senegal @ 1550 cfu/g	Group F
		Escherichia coli	
419	Lyophilised vial	*Escherichia coli*	
		Citrobacter freundii	
		Enterococcus faecium	
		Salmonella Manchester @ 480 cfu/L	Group C2
420	Lyophilised vial	*Rothia kristinae*	
		Escherichia coli	
		Enterococcus faecium	
421	Lyophilised vial	*Staphylococcus aureus*	
		Clostridium perfringens	
422	Lyophilised vial	*Escherichia coli*	
		Enterococcus hirae	
		Salmonella Anatum @ 93 cfu/L	Group E1
423	Lyophilised vial	*Legionella longbeachae*	
430A	1.5ml vial + Waste water matrix	SARS-CoV-2 Omicron @10,840 copies/ml	
430B	1.5ml vial + Waste water matrix	SARS-CoV-2 Delta @ 11,820 copies/ml	
431	Lyophilised pellet	Somatic coliphage ΦX174	

Individual Report

This individual report contains a summary of all the results submitted and the performance assessment for your laboratory/individual analysts. Please note that the nominated results for each analyte are indicated by the blue highlight in the analyst field.

Full details of the scheme, sample types and data analysis can be found in the corresponding Main Report, along with any technical comments, if applicable. The main report is the definitive version.

If you have any questions regarding your results which are not answered in the Main Report, please contact us using the details provided on the front of the report. If you would like to order any samples for re-testing please visit our web shop at www.lgcstandards.com or contact your local LGC representative.

Assessment Summary

Sample	Assessments Received	Satisfactory Assessments	Questionable Assessments	Unsatisfactory Assessments	Not Assessed
PT-WT-412	8	8	0	0	0
Round Total	8	8	0	0	0

Result which are Not Assessed should be review by comparing them with the assigned value and other relevant statistics given in the main report. Participants, according to their internal quality criteria, may consider Not Assessed results to be satisfactory, questionable or unsatisfactory. Further information regarding why results may not be assessed is given in the Scheme Information section of the main report.

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No unsatisfactory assessments in this round

No questionable assessments in this round

412 - Potable Water Indicator combination

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Escherichia coli	JL	MEMF Chromogenic agar 37	51	cfu/ 100mL	1.71	-0.33	66	0.01	0.35	N/A	222	1.82	1.80	0.11	0.17	ISO 9308-1:2014
Escherichia coli	KM	MEMF Chromogenic agar 37	49	cfu/ 100mL	1.69	-0.38	66	0.01	0.35	N/A	222	1.82	1.80	0.11	0.17	ISO 9308-1:2014
Escherichia coli	LM	MEMF Chromogenic agar 37	48	cfu/ 100mL	1.68	-0.40	66	0.01	0.35	N/A	222	1.82	1.80	0.11	0.17	ISO 9308-1:2014
Coliforms	Lab Result	MEMF Chromogenic agar 37	49	cfu/ 100mL	1.69	-0.41	68	0.01	0.35	N/A	226	1.83	1.81	0.10	0.15	ISO 9308-1:2014
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