

Food and Environmental Proficiency Testing Unit

Laboratory identification no. (check): «Lab_No»
Dispatch date: 28 July 2025
Final date for return of results: 29 August 2025

Contact details:

The Organisers - FEPTU
UK Health Security Agency
61 Colindale Avenue,
London, NW9 5EQ, UK.
Tel: +44 (0) 20 8327 7119
e-mail: foodeqa@ukhsa.gov.uk

Results to be returned via online survey
[WW001 online results entry](#)

[Wastewater \(offered as a non-accredited scheme\) - Food and Environmental Proficiency Testing Unit](#)

Wastewater Scheme - Request/Report Form

Distribution No: WW001	Sample numbers: WW001A and WW001B
Download the sample instruction sheet	Wastewater instruction sheet
Download the safety data sheet:	Safety Data Sheet - Freeze-Dried Samples
<i>If you cannot examine any of these samples return your results as 'Not examined'</i>	
Request: Determine the levels of micro-organisms as indicated in the table below, examine the sample for <i>Salmonella</i> spp. and for SARS-CoV-2 using your routine methods. - Refer to the instruction sheet for sample reconstitution using the weblink above - One freeze dried vial per sample is provided. Sample contents contain high levels of micro-organisms so dilutions will be required for all enumerations (a guide of the levels for sample A: between 1.0×10^5 – 5.6×10^7 cfu per litre; sample B: between 1.0×10^3 – 1.5×10^5 cfu per litre) - Only undertake the examinations that you would perform routinely for this type of sample, otherwise report results as not examined when returning your results - Report results as per 100mL	

Results:

Examination		Published method	Method/media used		WW001A	WW001B
Coliform bacteria per 100mL	☐	ISO 9308-2:2012	MPN	☐	Colilert - 18	
	☐	ISO 9308-3:1998		☐	Other	
	☐	Other, specify				
				☐	MLGA	
				☐	MLSA	
				☐	MLSB	
	☐	Other, specify		☐	m-Endo	
				☐	Other	

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Store freeze dried samples 2 - 8°C

Examination		Published method	Method/media used		WW001A	WW001B	
<i>Escherichia coli</i> per 100mL	☐	ISO 9308-2:2012	MPN	☐	Other		
	☐	ISO 9308-3:1998					
	☐	SCA: Recreational part 3: 2016		☐	Other		
	☐	Other, specify					
	☐	ISO 9308-1: 2014	Membrane filtration	☐	Chromogenic coliform agar		
				☐	MLGA		
	☐	SCA: Recreational part 3: 2016		☐	MLSA		
				☐	MLSB		
	☐	Other, specify		☐	TBX		
			☐	Other			
Enterococci per 100mL	☐	ISO 7899-1:1998	MPN	☐	Enterolert®		
	☐	SCA: Recreational part 4:2015		☐	Other		
	☐	Other: specify					
	☐	ISO 7899-2:2000	Membrane filtration	☐	Enterococcus agar		
	☐	SCA: Recreational part 4:2015		☐	S+B		
	☐	Other: specify		☐	Other		
<i>Salmonella</i> spp. Per L	☐	ISO 19250:2010	Membrane filtration	☐	Enrichment BGA		
				☐	Enrichment other		
	☐	SCA: Recreational part 8:2016		☐	Enrichment XLD		
	☐	Other: specify		☐	PCR		
				☐	Other		
SARS-CoV-2	☐	RT-PCR	Detection result: Detected/Not detected				
	☐	Other	Quantification				

Microbiologists comments:

Authorised by:

Date reported:

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For SARS-CoV-2 we would be grateful if you would answer the following questions:

1. Which standard(s)/guidelines did you refer to for the examination of these samples?

2. What volume of the wastewater sample is normally tested?

3. What volume of wastewater sample is concentrated?

4. Please provide details of your concentration method(s)

5. Please give details of primers (e.g. in house / commercial kit)

6. Name of your RNA extraction reagents

7. Name of your RNA extraction equipment

8. What volume of the extracted RNA is used in your PCR?

9. Please provide details of master mix and volume used etc

10. Please provide details of your cycle run

11. What amplification platform do you use?

12. What is your limit of detection?

13. What is your limit of quantification?

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- _____
14. Does your laboratory routinely carry out both detection and quantification tests on samples?

- _____
15. Do you test for any other viruses in wastewaters or other water types? (If so, please provide details of viruses tested)

- _____
16. Is your laboratory currently participating in any other SARS-CoV-2 PCR scheme?

- _____
17. Please provide any further comment/s that will help FEPTU to ensure the scheme is appropriate when launched: