



# UK Health Security Agency Food and Environmental Proficiency Testing Unit

Laboratory identification no. (check):

«Lab\_No»

Dispatch date:

29 July 2024

Final date for return of results:

30 August 2024

## Contact details:

The Organisers - FEPTU  
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**RESULTS TO BE RETURNED VIA  
ONLINE SURVEY AS PER LINK:**  
[Wastewater Scheme pilot online results  
entry](#)

## Wastewater Scheme PILOT - Request/Report Form

Distribution No: WW00P

Sample numbers: WW00PA and WW00PB

Download the safety data sheet:

[www.gov.uk/government/publications/safety-data-sheet-freeze-dried-food](http://www.gov.uk/government/publications/safety-data-sheet-freeze-dried-food)

***If you cannot examine any of these samples return your results as 'Not examined'***

**Request:** Determine the levels of micro-organisms as indicated in the table below, examine the sample for *Salmonella* spp. and for SARS-CoV-2 using your routine methods.

- Refer also to the enclosed instruction sheet for sample reconstitution.
- One freeze dried vial per sample is provided as per instruction sheet.
- Sample contents contain high levels of micro-organisms so dilutions will be required for all enumerations.
- Only undertake the examinations that you would perform routinely for this type of sample.
- If you do not examine for one or more parameters enter 'NE' in the relevant box.

## Results:

Enumeration	Method used		Simple details e.g. media/kit/ISO/guide	Not examined	WW00PA	WW00PB
Coliform bacteria	MPN	<input type="checkbox"/>			cfu per ____	cfu per ____
	Membrane filtration	<input type="checkbox"/>				
	Other	<input type="checkbox"/>				

Store freeze dried samples 2 - 8°C

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Enumeration	Method used		Simple details e.g. media/kit/ISO/guide	Not examined	WW00PA	WW00PB
<i>Escherichia coli</i>	MPN	<input type="checkbox"/>			cfu per ____	cfu per ____
	Membrane filtration	<input type="checkbox"/>				
	Other	<input type="checkbox"/>				
Enterococci	MPN	<input type="checkbox"/>			cfu per ____	cfu per ____
	Membrane filtration	<input type="checkbox"/>				
	Other	<input type="checkbox"/>				
Faecal coliforms	MPN	<input type="checkbox"/>			cfu per ____	cfu per ____
	Membrane filtration	<input type="checkbox"/>				
	Other	<input type="checkbox"/>				
<i>Salmonella</i> spp. per L		<input type="checkbox"/>	PCR			
		<input type="checkbox"/>	VIDAS			
		<input type="checkbox"/>	Other			
	Membrane filtration	<input type="checkbox"/>	Enrichment BGA			
		<input type="checkbox"/>	Enrichment XLD			
		<input type="checkbox"/>	ISO 19250:2010			
		<input type="checkbox"/>	Other			
SARS-CoV-2	RT-PCR	<input type="checkbox"/>		Detected / Not detected	Detected / Not detected	
	Other	<input type="checkbox"/>		CT ____	CT ____	
				Quantification result (with units)		

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Enter additional microbiologist's comments if you wish to do so:

Authorised by:

Date reported:

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**To ensure this scheme is fit for purpose, please could you provide us with the below additional information, for bacterial enumerations:**

1. Which standard(s)/guidelines did you refer to for the examination and interpretation of the results for:

Coliforms:

\_\_\_\_\_

*E. coli*:

\_\_\_\_\_

Faecal coliforms:

\_\_\_\_\_

Enterococci:

\_\_\_\_\_

2. Which culture medium did you use for your test?

Coliforms:

\_\_\_\_\_

*E. coli*:

\_\_\_\_\_

Faecal coliforms:

\_\_\_\_\_

Enterococci:

\_\_\_\_\_

3. If you used a filter, please enter the pore size:

\_\_\_\_\_

4. What temperature did you incubate the plates?

Coliforms:

\_\_\_\_\_

*E. coli*:

\_\_\_\_\_

Faecal coliforms:

\_\_\_\_\_

Enterococci:

\_\_\_\_\_

5. How long did you incubate the plates?

Coliforms:

\_\_\_\_\_

*E. coli*:

\_\_\_\_\_

Faecal coliforms:

\_\_\_\_\_

Enterococci:

\_\_\_\_\_

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6. Did you do any confirmatory test on the organisms isolated?

Coliforms: Y/N

*E. coli*: Y/N

Faecal coliforms: Y/N

Enterococci: Y/N

7. If so please list the tests done:

Coliforms:

\_\_\_\_\_

*E. coli*:

\_\_\_\_\_

Faecal coliforms:

\_\_\_\_\_

Enterococci:

\_\_\_\_\_

8. Do you routinely provide comments or conclusions on the results obtained? Yes/No

What other tests other than the isolation and enumeration of the organisms in this pilot do you routinely perform on this type of water sample?

\_\_\_\_\_

9. What other water sample types are examined for similar to wastewaters (e.g.sludge):

\_\_\_\_\_

10. What tests are done on these other sample types?

\_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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**To ensure this scheme is fit for purpose, please could you provide us with the below additional information, for *Salmonella*:**

1. Which standard(s)/guidelines did you refer to for the examination and interpretation of the results for:  
\_\_\_\_\_
2. Which culture medium did you use for your test?  
\_\_\_\_\_
3. If you used a filter, please enter the pore size: \_\_\_\_\_
4. What temperature did you incubate the plates?  
\_\_\_\_\_
5. How long did you incubate the plates?  
\_\_\_\_\_
6. Did you do any confirmatory test on the organisms isolated? Y/N
7. If so please list the tests done:  
\_\_\_\_\_
8. Do you routinely provide comments or conclusions on the results obtained? Yes/No
9. What other pathogenic tests other than Salmonella do you routinely perform on this type of water sample?  
\_\_\_\_\_

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

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**For SARS-CoV-2 we would be grateful if you would answer the following questions before returning this form to help us with the scheme development:**

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

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

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3. What volume of wastewater sample is concentrated?

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

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

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6. Describe your RNA extraction method (including volumes)

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

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

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9. Please provide details of your cycle run

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10. What amplification platform do you use?

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11. What is your limit of detection?

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12. What is your limit of quantification?

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\_\_\_\_\_

13. Does your laboratory routinely carry out both detection and quantification tests on samples?

\_\_\_\_\_

14. Do you test for any other viruses in wastewaters or other water types?

\_\_\_\_\_

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

\_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_