

	Environmental Analysis Teaching and Research Laboratory	Date: 3/31/2022	Number: 23.01
	Standard Operating Procedure	Title: IDEXX Quanti-Tray	
	Approved By: TBD	Revision Date: June 15, 2022	

1. Scope and Application

1.1 This standard operating procedure describes the test method for the collection and analysis of water samples for the enumeration of Escherichia coli (E. coli) and Total coliform bacteria.

1.2 The applications of this SOP are for...

2. Summary of Method

2.1 This SOP does this...

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3. Acknowledgements

4. Definitions

4.1 Term1: is...

5. Biases and Interferences

5.1 Biases and interferences can come from...

6. Health and Safety

6.1 Describe the risk...

Safety and Personnel Protective Equipment

Water quality can range from high quality and even potable to very low with assorted pathogens or even toxicity. Thus, it's important to take every precaution possible to protect yourself.

7. Personnel & Training Responsibilities

7.1 Researchers training is required before the procedures in this method can be used...

7.2 Researchers using this SOP should be trained for the following SOPs:

- SOP01 Laboratory Safety
- SOP02 Field Safety

8. Required Materials and Apparatus

8.1 Item 1 w/catalog number!

8.2 Item 2

9. Reagents and Standards

10. Estimated Time

10.1 This procedure requires XX minutes...

11. Sample Collection, Preservation, and Storage

12. Procedure

12.1 Prepare ...

12.2

13. Data Analysis and Calculations

14. QC/QA Criteria

14.1 The detection limit for this analysis is 1 Most Probable Number (MPN) per 100mL of sample.

15. Trouble Shooting

16. References

16.1 APHA, AWWA, WEF. (2012) Standard Methods for examination of water and wastewater. 22nd American Public Health Association (Eds.). Washington. 1360 pp. (2014).