1. Scope and Application

1.1 The scope of this SOP is train researchers...

1.2 The applications of this SOP are for...

2. Summary of Method

2.1 This SOP does this...

Contents

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 Personnnel Protective Equipment

7. Personnel & Training Responsibilities

7.1 Researchers training is required before this 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 Apparati

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

How to do a measurement

12.1 Select the applicable program from the programs menu (e.g., Stored Programs, User Programs, Favorites).

12.2 Install the cell adapter, if necessary.

12.3 Push Start to start the program

12.4 Prepare the blank according to the method document. Close the sample cell and clean the optical faces of the sample cell with a lint- free cloth.

12.5 Insert the blank sample cell into the cell compartment. Make sure to install the blank sample cell in the correct and in a consistent orientation so that the results are more repeatable and precise. Refer to figure 1.

12.6 Close the instrument cap to prevent light interferences

12.7 Push Zero. The display shows a concentration of zero (e.g., mg/L, ABS, g/L).

12.8 Prepare the sample. Add reagents as specified by the method document.

12.9 Select Options¿Start Timer to use the stored timers within the program.

12.10 Close the sample cell and clean the optical surfaces of the cell with a lint-free cloth

12.11 Insert the sample into the cell compartment. Make sure to install the sample cell in the correct and in a consistent orientation so that the results are more repeatable and precise.

12.12 Close the instrument cap to prevent light interferences.

12.13 Push Read. The display shows the results in the selected units.

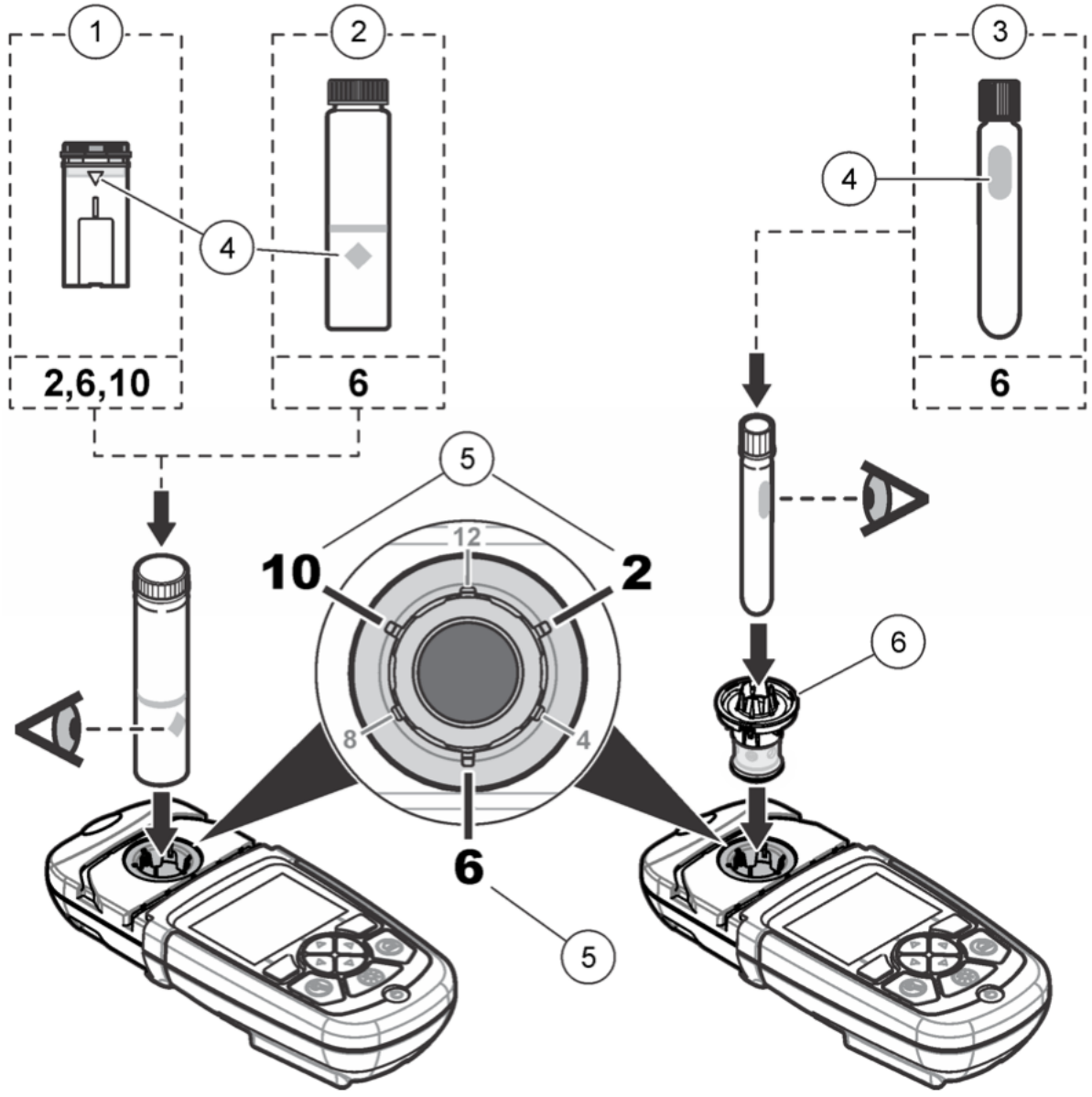
13. Data Analysis and Calculations

14. QC/QA Criteria

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



1	1-cm/10-mL plastic sample cell	**4**	Orientation mark
2	1-inch (25 mm) glass sample cell	**5**	Orientation position (clockwise)
3	16-mm glass test vial	**6**	Sample cell adapter

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