



**Fluorescein**

**M510**

**10 - 400 ppb**

**Fluorescence**

## Instrument specific information

The test can be performed on the following devices. In addition, the required cuvette and the absorption range of the photometer are indicated.

Instrument Type	Cuvette	$\lambda$	Measuring Range
MD 640		395 nm	10 - 400 ppb

## Material

Required material (partly optional):

Reagents	Packaging Unit	Part Number
Fluoresceine calibration set (0, 75, 400 ppb)	1 pc.	461240
Fluoresceine standard addition solution, 400 ppb	1 pc.	461230

## Application List

- Cooling Water

## Preparation

1. Calibrate the instrument if verification result is not  $75 \pm 8$  ppb.
2. The Fluorescein Calibration Set should be used to calibrate the instrument.
3. Before use, clean the vials and the accessories.
4. The outside of the vial must be clean and dry before starting the analysis. Clean the outside of the vials with a towel. Fingerprints or other marks will be removed.
5. The photometer is already factory calibrated, or the instrument was calibrated by the user. It is recommended to verify calibration accuracy by a 75 ppb Standard measurement:
  - when in doubt about last calibration or accuracy of results
  - once a month
 The verification measurement shall be done like a sample measurement and the result of a 75 ppb standard shall be  $75 \pm 8$  ppb.



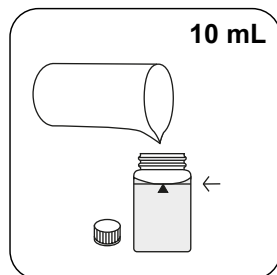
## Notes

1. Use only vials with black lids for Fluorescein measurements.
2. Large temperature differences between the instrument and the environment can lead to errors. For best results, perform tests with sample temperatures between 20 °C (68 °F) and 25 °C (77 °F).
3. Vials and caps should be cleaned thoroughly after each analysis to prevent interferences.
4. To ensure maximum accuracy of test results, always use the reagent systems supplied by the instrument manufacturer.
5. Do not pour used standards back into the bottle.
6. Implementation of a spiking procedure possible (see manual).



## Determination of Fluorescein

Select the method on the device.



Fill 24 mm vial with **10 mL sample**.



Close vial(s).



Place **sample vial** in the sample chamber. Pay attention to the positioning.

# Test

Press the **TEST** (XD: **START**) button.

The result in ppb Fluorescein appears on the display.



## Chemical Method

Fluorescence