

# Fluoride

**Reagent set for the photometric determination of fluoride ions in surface and drinking water**

## Method:

Photometric determination of fluoride with 1.8-dihydroxy-2-(4-sulfophenylazo)naphthalene-3.6-disulfonic acid (SPADNS)

## Measurement range:

0.1–2.0 mg/L F<sup>-</sup>

## Contents:

sufficient for 75–150 tests

3 x 30 mL F-1

1 plastic syringe 5 mL

1 plastic syringe 1 mL

1 instruction for use

## Hazard warning:

Information regarding safety can be found on the box' label and in the safety data sheet. You can download the SDS from [www.mn-net.com/SDS](http://www.mn-net.com/SDS).

## Procedure:

Requisite accessories: reaction tubes 16 mm OD (REF 91680)

Sample	Blank value
1. Rinse reaction tube 16 mm OD several times with sample and fill with <b>5 mL</b> sample (5 mL syringe).	1. Fill reaction tube 16 mm OD with <b>5 mL</b> distilled water (5 mL syringe).
2. Add <b>0.6 mL</b> F-1 (1 mL syringe), close and mix.	2. Add <b>0.6 mL</b> F-1 (1 mL syringe), close and mix.

Reaction time: 1'00 min

**Measurement:** Call up method

Perform measurement

After use, rinse out both reaction tubes thoroughly and seal them.

## Interferences:

The following ions will not interfere: < 1000 mg/L Cu<sup>2+</sup>; < 500 mg/L Ca<sup>2+</sup>, Ni<sup>2+</sup>, Zn<sup>2+</sup>; < 200 mg/L Fe<sup>3+</sup>; < 100 mg/L SO<sub>4</sub><sup>2-</sup>; < 50 mg/L Cr(III); < 20 mg/L Si(IV); < 10 mg/L Cr(VI); < 5 mg/L PO<sub>4</sub><sup>3-</sup>, Cl<sub>2</sub>; < 0.1 mg/L Al<sup>3+</sup>.

Sea water requires a distillation.

## Disposing of the samples:

Information regarding disposal can be found in the safety data sheet. You can download the SDS from [www.mn-net.com/SDS](http://www.mn-net.com/SDS).

## Storage:

Store the test kit in a cool (< 25 °C) and dry place.