OIL-V   Vegetable Oil in Water

Color development : Transparent → White Turbidity
Method　　　　 : Oil Concentration-Turbidimetry with PNIPAAm
Range　　　　　: 5.0 — 60.0 mg/L(ppm) (resolution : 0.5 mg/L)
Reagent　　　　: WA-OIL-R
Reaction time : 0 min.
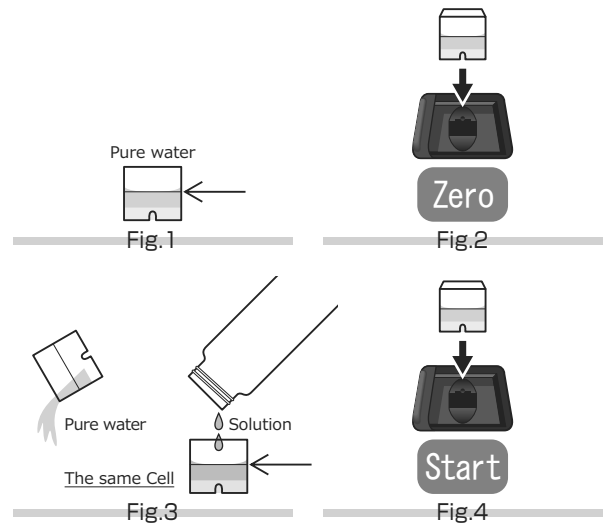Additional tool : Water Analysis Reagent Set: Oil (Model: WA-OIL)
Usage　　　　　: Read the instruction supplied with "Water Analysis Reagent Set: Oil".

Cell : PACKTEST Square Cup
Wavelength : 660 nm

Procedure

1. Press 【OIL-V】.

2. Press 【OK】 to switch to the photometry window.

3. Fill the Cell with pure water (or tap water) for 1.5 mL (up to line). (Fig.1)

4. Put the Cell in the cell box and press 【Zero】. (Fig.2)

5. Take out the Cell, discard the pure water, and fill the same Cell with 1.5mL of the solution prepared using "Water Analysis Reagent Set: Oil". (Fig.3)

6. Set the Cell in the cell box again and press 【Start】. (Fig.4)

7. The concentration will be automatically displayed.

Pure water

Fig.1

Zero

Fig.2

Pure water | Solution

The same Cell

Fig.3

Start

Fig.4

CAUTION

In this method, the concentration of vegetable oil in water is measured.
For notes on the operation, refer to the usage supplied with "Water Analysis Reagent Set: Oil".

Information on reagent

Read instruction supplied with "Water Analysis Reagent Set: Oil".
The pH of R-1 Reagent is 2 or less, and the solution is 7.