

CN⁻-D Total Cyanide (Low Range)

Color development: None → (Red) → Blue

Method : Distillation and 4-Pyridinecarboxylic Acid - Pyrazolone

Range : 0.005 — 0.150 mg/L(ppm)

Reagent : LR-CN-B No.14B R-1 (Small Pack) , R-2 (Pack)

Reaction time : 20 min. after R-2 reagent is added.

Additional tool : Water Analysis Set: Total Cyanide (Low Range) (Model: WA-CN⁻(L))

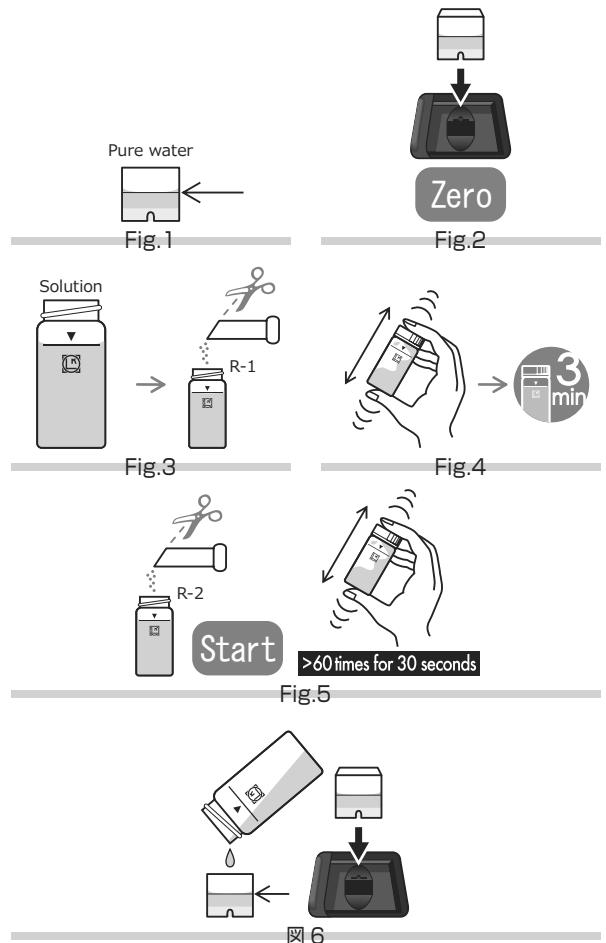
Usage : Read the instruction supplied with "Water Analysis Set: Total Cyanide (Low Range)".

Cell : PACKTEST Square Cup

Wavelength : 638 nm, 590 nm

Procedure

1. Press **[CN⁻-D]**.
2. Press **[OK]** to switch to the photometry window.
3. Fill the Cell with pure water for 1.5 mL (up to line). (Fig.1)
4. Put the Cell in the cell box and press **[Zero]**. (Fig.2)
Discard the pure water in the Cell.
5. Add the R-1 reagent to the Round Cell containing the solution as explained in Step ⑦ of "Usage" of "Water Analysis Set: Total Cyanide (Low Range)". (Fig.3)
6. Tightly attach the cap, shake the Round Cell about 10 times, and wait for 3 minutes. (Fig.4)
7. Add the R-2 reagent to the Round Cell, press **[Start]** , tightly attach the cap, and immediately shake the Round Cell strongly more than 60 times in 30 seconds. (Fig.5)
8. Within 20 minutes, pour the solution in the Round Cell for 1.5 mL into the Cell that has gone through zero adjustment (up to line) and put the Cell in the cell box. (Fig.6)
9. After 20 minutes have elapsed, the concentration will be automatically displayed.



CAUTION

1. Perform measurement with the solution temperature set to 15 to 30°C .
2. As the R-2 reagent dissolves only partially, after shaking the Round Cell in Step 6.

Influence of coexisting substance

Refer to the instruction supplied with "Water Analysis Set: Total Cyanide (Low Range)".

Information on reagent

Refer to the enclosed paper to the reagent.
The pH of the solution is about 7.