

Pb-SPK Lead (SPK)

Color development: Yellow → Orange → Red

Method : Separation and Preconcentration of lead
by MetaSEP AnaLig[®] and 4-(2-Pyridylazo) resorcinol

Range : 0.03 — 0.50 mg/L(ppm)

Reagent : PACKTEST Lead (Model: SPK-Pb) K-1 (Liquid) , K-2 (Liquid) , K-3 (Liquid) , K-4 (Liquid) , Tube

Reaction time : 3 min. after drawing sample into the tube.

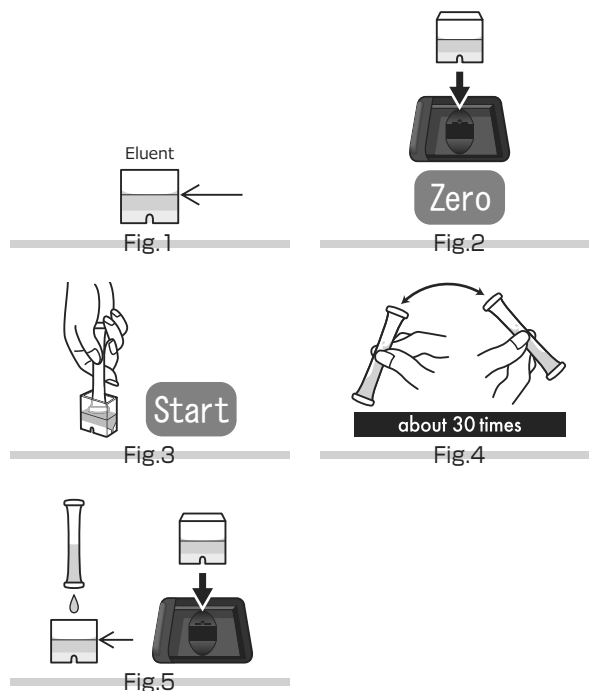
Usage : Read the instruction supplied with "PACKTEST Lead".

Cell : PACKTEST Square Cup

Wavelength : 519 nm

Procedure

1. Press **[Pb-SPK]**.
2. Press **[OK]** to switch to the photometry window.
3. By following the procedures in 5 "Collection of eluent" in the usage of PACKTEST Lead, take the eluent in the Cell. (Fig.1)
4. Put the Cell in the cell box and press **[Zero]**. (Fig.2)
5. Suck the whole amount of the eluent in the Cell into the tube and press **[Start]** at the same time. (Fig.3)
6. Shake the tube in Step 5 about 30 times. If orange lumps are left in the tube, further shake the tube. (Fig.4)
7. Immediately return the solution in the tube to the Cell in a gentle manner, set it again in the cell box. (Fig.5)
8. After 3 minutes have elapsed, the concentration will be automatically displayed.



CAUTION

1. In this method, the concentration of the eluent in the PACKTEST Lead is measured. For notes on the operation, refer to the instruction supplied with the PACKTEST Lead.
2. If the concentration of lead ions in the sample is considered high or the result is above the measurement range, dilute the sample so that the concentration falls within the measurement range, and perform steps again up to collection of eluent using the PACKTEST Lead.
3. Perform measurement with the sample temperature set to 15 to 30°C .
4. Dissolve orange lumps in the tube as much as possible. Undissolved colorless reagent will not affect the measurement.

Influence of coexisting substance

Refer to the instruction supplied with "PACKTEST Lead".

Information on reagent

Refer to the instruction supplied with "PACKTEST Lead".

The pH of the solution is about 9.