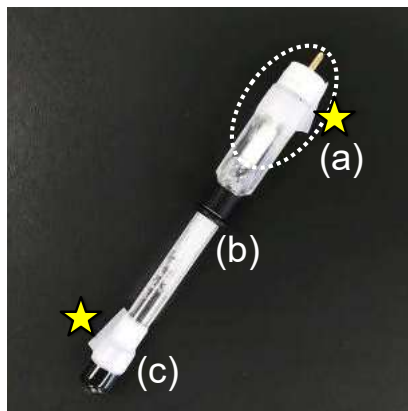


# 013692 RE-2CP Reference electrode

## 1. Contents

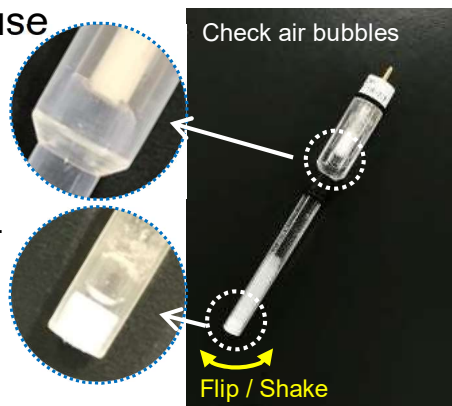


- (a) Electrode main body
- (b) Electrode holder
- (c) Protective cap

\*Remove Parafilm(★ places) and a protective cap, when using.

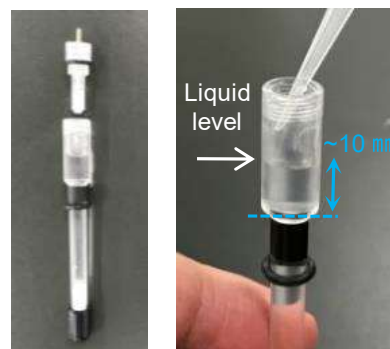
## 2. Check the electrode before use

Check whether there are air bubbles in an internal solution of an electrode holder(b) firstly. The correct electrode potential cannot be obtained if large bubbles are mixed in the internal solution. If there are bubbles at a liquid junction in the electrode holder(b) or at a tip of an electrode main body(a), be sure to remove them by flipping and/or shaking.



### Note :

In the case of the electrode main body(a) being exposed due to the decrease of the internal solution after use, let the electrode main body(a) be removed from the electrode holder(b) and inject a saturated  $K_2SO_4$  solution until the tip of the electrode main body(a) is soaked. Be careful not to add too much solution. Please refer to the figure on the right for the approximate liquid level.



\*Mercury sulfate adhered on the ceramics wall during the manufacturing process can turn black, but this is not a problem for the measurement.



## 3. How to keep

After use, wash a tip of the electrode holder(b) with pure water, and soak the electrode in the saturated  $K_2SO_4$  solution.

Keep the electrode in a preservative vial for a reference electrode (sold separately, Cat. No. 012108) containing the same saturated  $K_2SO_4$  solution as the electrode internal solution in a cool dark place to avoid depletion of the internal solution.

The electrode potential cannot be maintained if kept in a solution with a different concentration or a solution of different ionic species from the internal solution. Incorrect storage may cause fluctuations in the electrode potential and breakage of the liquid junction.



Keep in Preservative vial

## !!CAUTION!!

1. The electrode main body(a) consists of hazardous substance. Be careful handling.
2. Do not remove a label of the electrode main body(a). The label is required for any case of inquiry.
3. Refrain from using in strong acid or base solution.
4. Use the electrode at room temperature and atmospheric pressure.
5. To avoid breaking, the electrode should be protected from strong shock.
6. Do not disassemble the electrode main body(a) or perform processing such as soldering. It may cause damage to the electrode or leakage of harmful substances. In that case, we cannot guarantee.
7. The liquid junction may be discolored after use, which is due to the nature of the ceramics. Hence, we cannot respond to exchange.
8. This electrode is intended for aqueous. Do not use it in organic solvent.

You can browse the checking data of electrode in below URL.  
<https://www.als-japan.com/dl/index.html>

BAS Inc.

<https://www.als-japan.com> email: [sales@als-japan.com](mailto:sales@als-japan.com)