

**Content:**

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|----------------------------------|------|
| (A) RE-7 Teflon cap with Ag wire | 1 pc |
| (B) Sample holder diameter 6 mm  | 1 pc |
| (C) O-ring                       | 1 pc |

※ An example of internal solution: 0.01 M Silver nitrate,  
0.1 M Tetrabutylammonium perchlorate (TBAP) in acetonitrile

**1. Assembly**

1.1 Please set the O-ring(C) to the sample holder(B) as shown in the figure on the left. Fill the internal solution\* (the same solvent as the sample electrolyte which is prepared by the user) into the sample holder (B) without exceeding the 5/6 of the sample holder height (0.5 mL), to avoid the excessive solution leak when the cap is closed.

1.2 Insert the RE-7 Teflon cap with Ag wire(A) into the sample holder(B), then cover the cap(A) slowly and tightly. Seal the cap(A) with a parafilm as shown on the left, to avoid the inner solution evaporation.

1.3 The prepared reference electrode should be soaked (refer to the figure on the left) in the internal solution overnight, before the use for the experiment.

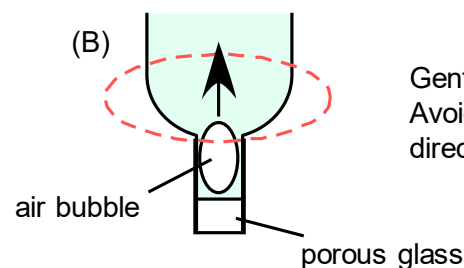
internal solution (made by user)

internal solution (made by user)

- Replace the internal solution every measurement day.

**2. Attention for setup**

If air bubbles were present around a porous glass, slightly flick the electrode (Dotted line ellipse marked position of below figure.) to clear the bubbles. The air bubbles may obstruct the liquid conduction between internal and external solutions, that may finally cause the electrode potential abnormal.

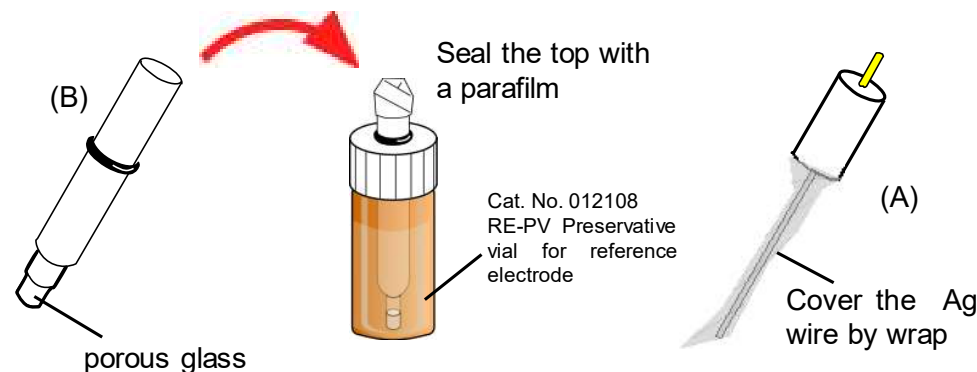


Gently flick the constriction part.  
Avoid flicking the porous glass directly.

**3. How to keep**

Disassemble the electrode for storage. Replace the internal solution of the sample holder(B) to the purified solvent, and soak the holder tip in solvent to keep moistening the porous glass. If the porous glass is dried, salt deposition will occur, which breaks the porous glass or causes the increase of the liquid junction resistance.

Clean the Ag wire with acetonitrile, and cover the Ag wire with wrap to avoid the contact with the air.



Please check our web site for more information of the electrodes.  
<https://www.als-japan.com/1389.html>

**Optional products**

- 012057 : RE-7 Teflon cap with Ag wire
- 012176 : Sample holder dia. 6mm (2pcs)
- 012108 : RE-PV Preservative vial for reference electrode

**BAS Inc.**

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