013849 RE-7SN Non Aqueous reference electrode

Content:

(A)	RE-7S Teflon cap with Ag wire	1 pc
(B)	Sample holder diameter 4.5 mm	1 pc
(C)	O-ring	1 pc

X An example of internal solution:0.01 M Silver nitrate,

0.1 M Tetrabutylammonium perchlorate (TBAP) in acetonitrile

1.1



internal solution

(made by user)

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

Please set the

figure on the left.

is closed.

O-ring(C) to the

sample holder(B) as shown in the

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 (0.1 mL), to avoid the

excessive solution leak when the cap

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

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.



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 iunction 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 012058 : RE-7S Teflon cap with Ag wire

BAS Inc. https://www.als-japan.com email: sales@als-japan.com

Replace the internal solution every measurement day.