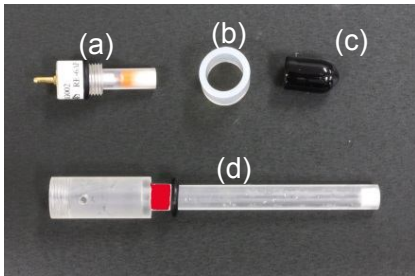


1. 電極の構造



- RE-6AP 電極本体
 - ホルダーカバー
 - 保護キャップ
 - 電極ホルダー
- (セラミックス液絡)
到着時の商品はイオン交換水が充填されています。**使用前にアルカリ溶液(1 M NaOHなど)をご用意いただき、入れ替える必要があります。**

2. 使用方法

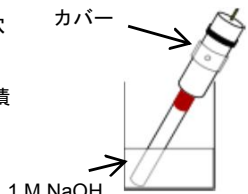
2.1 電極本体(a)とホルダーカバー(b)を電極ホルダー(d)から取り外し、中のイオン交換水を廃棄して下さい。用意した内部溶液(1 M NaOH)で電極ホルダー(d)を数回共洗いし、シリンジなどで電極ホルダー上部の半分ほどまでゆっくり注入します。気泡ができてしまった場合は先端を軽く弾くなどして除去してください。



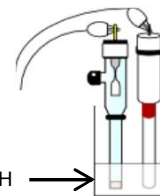
2.2 電極本体(a)を電極ホルダー(d)にしっかりとねじ込みます。内部溶液が電極のホルダー横穴から溢れそうな場合は内部溶液を少し抜いて下さい。(横穴は電極内圧力調整用です。)



2.3 ホルダーカバー(b)を電極ホルダーの穴に被せるように重ねます。電位を安定させるため電極ホルダー先端を1日ほど内部溶液と同じ溶液に浸漬します。



2.4 飽和カロメル電極(SCE)などの参照電極と1 M NaOH溶液中で電位比較を行ってください。SCEとの電位差は $-115 \text{ mV} \pm 20 \text{ mV}$ (25°C)が目安となります。



1 M NaOH

2.5 電位の安定が確認できた後、測定にご使用ください。測定の際にホルダーカバーを少しずらして電極ホルダー(d)の横穴を露出するようにします。



3. 保存方法

使用後イオン交換水で電極先端をよく洗浄します。ホルダーカバーを横穴に被せ、水分を拭き取って1MのNaOH溶液に浸漬してください。長期間使用しない場合は電極を分解し、電極本体を1 M NaOH溶液で保存し、電極ホルダーはイオン交換水を充填して電極ホルダー先端をイオン交換水中に浸漬して保管してください。

!!注意!!

1. 電極本体に有害物質を使用しています。取り扱いには十分ご注意ください。使用後の内部溶液処理などは所在地の行政の基準に従って処理して下さい。
2. 電極本体に貼り付けられたラベル(製造番号)を剥がさないでください。お問い合わせの際に製造番号が必要となります。測定でやむを得ず剥がす場合も必ず保管してください。
3. アルカリ性水溶液中でご使用ください。有機溶媒では使用できません。
4. 電極には個体差があり、温度に影響されて電極電位が理論値からずれることがあります。
5. 電極は内部溶液に1 M NaOH水溶液の使用を想定して開発されています。強アルカリ耐性を有していますが、他の溶液を使用して発生した問題に関して弊社は責任を負いかねます。

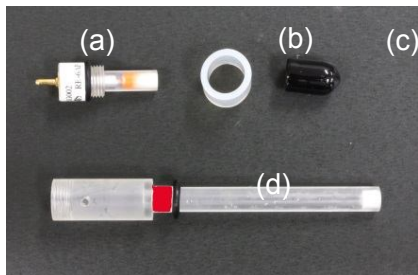
ビー・イー・エス株式会社

<http://www.bas.co.jp>

E-mail: sales@bas.co.jp

013395 RE-6AP Reference electrode for alkaline solution

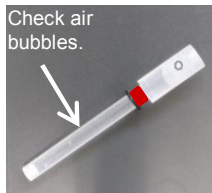
1. The structure of electrode



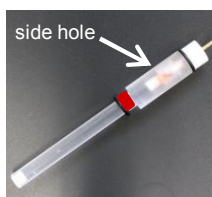
- RE-6AP main body
 - Holder cover
 - Protective cap
 - Holder
- (ceramics liquid-junction)
The inner solution is the ion exchange water at time of receipt. **Please prepare inner solution (1 M NaOH) before use.**

2. How to use

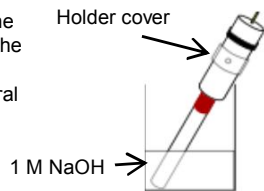
2.1 When you receive the RE-6AP, please unscrew the Main body (a), remove it from the Holder (d), throw out the water inside. Then wash the Holder (d) with a few portions of inner solution (1 M NaOH) three times, then inject the inner solution(1 M NaOH) to the middle of upper position of holder gently. If you see air bubbles in the holder, remove the bubbles by flicking or shaking.



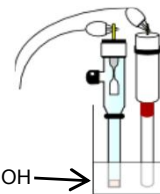
2.2 Fix the main body (a) to the holder (d) tightly. Remove the little internal solution if the internal solution is about to overflow from side hole of the holder. (Note: the side hole is for electrode inner pressure adjustment.)



2.3 Cover the side hole of holder (d) with the holder cover (b), soak the electrode in the solution identical with inner solution to stabilize the potential. It may take several days until potential is stabilized.



2.4 The stability of the electrode potential can be checked using potentiometry against the standard reference electrode (SCE etc.) in 1 M NaOH. The indication of the potentiometry against the SCE is $-115 \text{ mV} \pm 20 \text{ mV}$ (25°C).



1 M NaOH

2.5 Please use the electrode after checking the stability of potential. Expose the side hole of holder (d) in measuring.



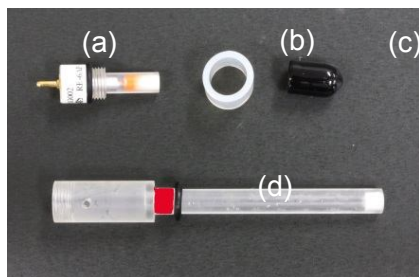
3. How to keep

After use, wash the tip of electrode by ion exchange water. Cover the side hole of holder with holder cover and soak in 1 M NaOH solution. If don't use for the long time, disassemble the electrode and sink the main body in 1 M NaOH and sink the holder filled with ion exchange water in ion exchange water immerse the tip of holder in ion exchange water.

!!CAUTION!!

1. The electrode consists of harmful agents. Be careful handling. Processing of inner solution after use please comply with the local government's law.
2. Do not remove the label of electrode. The production serial code is required for any case of inquiry.
3. The electrode is for alkaline solution measurement. Can't use in organic solvent.
4. The electrode has individual difference and sensitive to the temperature, in some case the electrode potential may not coincide with theoretical value.
5. The inner solution of electrode is supposed to use 1 M NaOH solution. Problem caused by using other concentration will not be guaranteed.

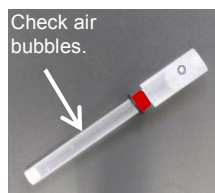
1. The structure of electrode



- RE-6AP main body
 - Holder cover
 - Protective cap
 - Holder
- (ceramics liquid-junction)
The inner solution is the ion exchange water at time of receipt. **Please prepare inner solution (1 M NaOH) before use.**

2. How to use

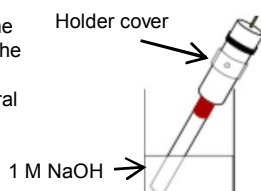
2.1 When you receive the RE-6AP, please unscrew the Main body (a), remove it from the Holder (d), throw out the water inside. Then wash the Holder (d) with a few portions of inner solution (1 M NaOH) three times, then inject the inner solution (1 M NaOH) to the middle of upper position of holder gently. If you see air bubbles in the holder, remove the bubbles by flicking or shaking.



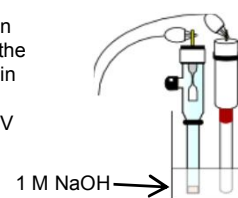
2.2 Fix the main body (a) to the holder (d) tightly. Remove the little internal solution if the internal solution is about to overflow from side hole of the holder. (Note: the side hole is for electrode inner pressure adjustment.)



2.3 Cover the side hole of holder (d) with the holder cover (b), soak the electrode in the solution identical with inner solution to stabilize the potential. It may take several days until potential is stabilized.



2.4 The stability of the electrode potential can be checked using potentiometry against the standard reference electrode (SCE etc.) in 1 M NaOH. The indication of the potentiometry against the SCE is $-115 \text{ mV} \pm 20 \text{ mV}$ (25 °C).



2.5 Please use the electrode after checking the stability of potential. Expose the side hole of holder (d) in measuring.



3. How to keep

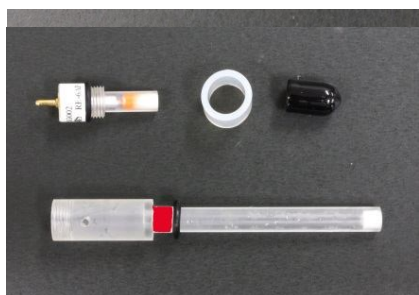
After use, wash the tip of electrode by ion exchange water. Cover the side hole of holder with holder cover and soak in 1 M NaOH solution. If don't use for the long time, disassemble the electrode and sink the main body in 1 M NaOH and sink the holder filled with ion exchange water in ion exchange water immerse the tip of holder in ion exchange water.

!!CAUTION!!

1. The electrode consists of harmful agents. Be careful handling. Processing of inner solution after use please comply with the local government's law.
2. Do not remove the label of electrode. The production serial code is required for any case of inquiry.
3. The electrode is for alkaline solution measurement. Can't use in organic solvent.
4. The electrode has individual difference and sensitive to the temperature, in some case the electrode potential may not coincide with theoretical value.
5. The inner solution of electrode is supposed to use 1 M NaOH solution. Problem caused by using other concentration will not be guaranteed.

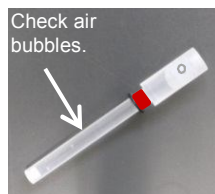
Manufactured by: ALS Co., Ltd Exclusive distributor: BAS Inc.
URL: <http://www.als-japan.com>
E-mail: sales@als-japan.com

1. The structure of electrode



- RE-6AP main body
 - Holder cover
 - Protective cap
 - Holder
- (ceramics liquid-junction)
The inner solution is the ion exchange water at time of receipt. **Please prepare inner solution (1 M NaOH) before use.**

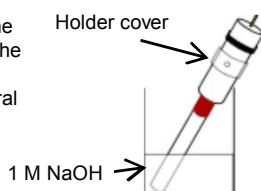
2.1 When you receive the RE-6AP, please unscrew the Main body (a), remove it from the Holder (d), throw out the water inside. Then wash the Holder (d) with a few portions of inner solution (1 M NaOH) three times, then inject the inner solution (1 M NaOH) to the middle of upper position of holder gently. If you see air bubbles in the holder, remove the bubbles by flicking or shaking.



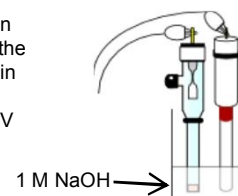
2.2 Fix the main body (a) to the holder (d) tightly. Remove the little internal solution if the internal solution is about to overflow from side hole of the holder. (Note: the side hole is for electrode inner pressure adjustment.)



2.3 Cover the side hole of holder (d) with the holder cover (b), soak the electrode in the solution identical with inner solution to stabilize the potential. It may take several days until potential is stabilized.



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2.5 Please use the electrode after checking the stability of potential. Expose the side hole of holder (d) in measuring.



3. How to keep

After use, wash the tip of electrode by ion exchange water. Cover the side hole of holder with holder cover and soak in 1 M NaOH solution. If don't use for the long time, disassemble the electrode and sink the main body in 1 M NaOH and sink the holder filled with ion exchange water in ion exchange water immerse the tip of holder in ion exchange water.

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