

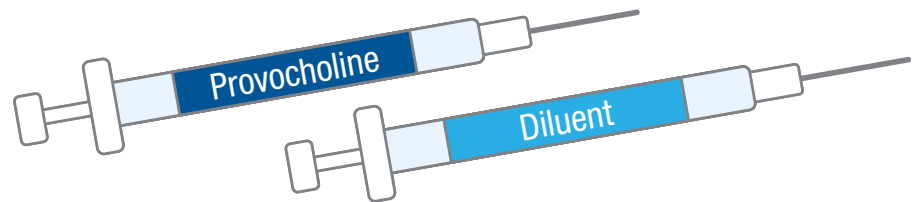
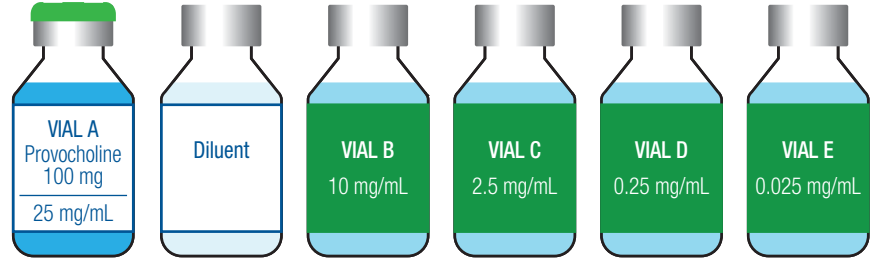
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Steps to Diluting Methacholine Chloride US Package Insert - Single Patient

Dilution Sequence Protocol for Provocholine 100 mg/vial (US NDC № 64281-100-06)

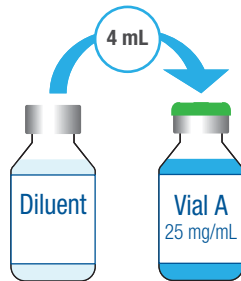
Getting Started

1. Attach labels to sterile empty vials.
2. Wipe down the stoppers of the Provocholine vial, diluent vial, and sterile empty vials with alcohol prep pads.
3. Label two (2) appropriately sized syringes (one for Provocholine, one for diluent), and attach needles to each.



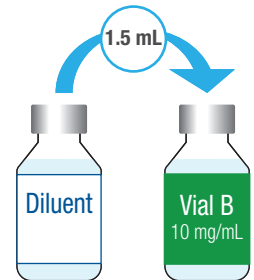
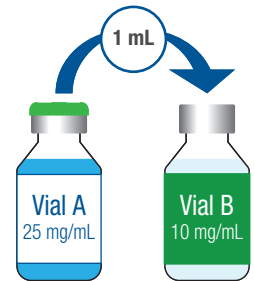
1 Preparing Vial A 25 mg/mL Solution

1. Using the diluent needle and syringe, draw 4 mL of diluent and transfer the 4 mL of diluent to the Provocholine 100 mg vial.
2. Shake well.



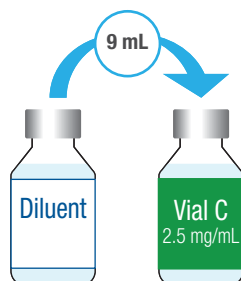
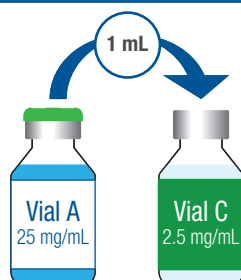
2 Preparing Vial B 10 mg/mL Solution

1. Using the Provocholine needle and syringe, draw 1 mL of solution from Vial A and transfer to Vial B.
2. Using the diluent needle and syringe, draw 1.5 mL of diluent and transfer to Vial B.
3. Shake well.



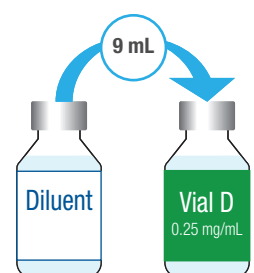
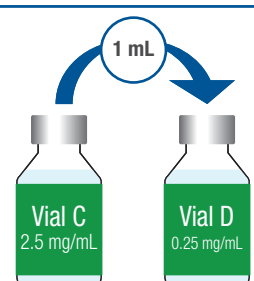
3 Preparing Vial C 2.5 mg/mL Solution

1. Using the Provocholine needle and syringe, draw 1 mL of solution from Vial A and transfer to Vial C.
2. Using the diluent needle and syringe, draw 9 mL of diluent and transfer to Vial C.
3. Shake well.



4 Preparing Vial D 0.25 mg/mL Solution

1. Using the Provocholine needle and syringe, draw 1 mL of solution from Vial C and transfer to Vial D.
2. Using the diluent needle and syringe, draw 9 mL of diluent and transfer to Vial D.
3. Shake well.

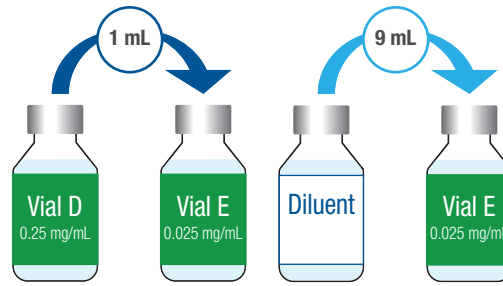


Provocholine[®]
(methacholine chloride)
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Preparing Vial E 0.025 mg/mL Solution

- Using the Provocholine needle and syringe, draw 1 mL of solution from Vial D and transfer to Vial E.
- Using the diluent needle and syringe, draw 9 mL of diluent and transfer to Vial E.
- Shake well.



NOTE

- Vial E must be prepared on the day of the challenge test.
- Transfer all dilutions (in vials A through E) to nebulizer through the 0.22 µm sterile bacterial retentive filter (Millex GV®).*

*Do not attach filter until AFTER solution has been drawn into syringe.

Dilution Check Sheet and Control Record

PROVOCHOLINE DILUTIONS FOR CHALLENGE TESTING

Date _____ Prepared by _____ Checked by _____
 Provocholine (see label on vial) Lot Number _____ Expiration Date _____
 Diluent _____ Lot Number _____ Expiration Date _____

Take Provocholine	Add diluent (Shake well!!)	Obtain dilution	Vial name	Initial / Date
Provocholine 100 mg	4 mL	25 mg/mL	Vial A - 25 mg/mL	
1 mL from Vial A	1.5 mL	10 mg/mL	Vial B - 10 mg/mL	
1 mL from Vial A	9 mL	2.5 mg/mL	Vial C - 2.5 mg/mL	
1 mL from Vial C	9 mL	0.25 mg/mL	Vial D - 0.25 mg/mL	
1 mL from Vial D	9 mL	0.025 mg/mL	Vial E - 0.025 mg/mL	

Storage Instructions

- Provocholine powder should be stored at 59° to 86°F (15° to 30°C).
- Dilutions A through D (25 mg/mL through 0.25 mg/mL) should be stored at 36° to 46°F (2° to 8°C) in a refrigerator for no more than 2 weeks.
- Freezing does not affect the stability of dilutions A through D (25 mg/mL through 0.25 mg/mL).
- Vial E (0.025 mg/mL) must be prepared on the day of the challenge test.

For technical support, please contact us at 519.751.3602 | 1.800.287.7686

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