

The following temporary protocol is for guidance on the preparation of an alternative of Epinephrine to achieve 1:10,000 (1 mg/10 mL) concentration due to the current trend of national drug shortages. In the event that Epinephrine 1:10,000 1 mg pre-filled syringes (PFS) are no longer available, the alternative has been approved by the Medical Director for adult and pediatric dosages.

A. Epinephrine 1:10,000 (1 mg/10 mL) Single-Dose Syringe

Adult and Pediatric Care

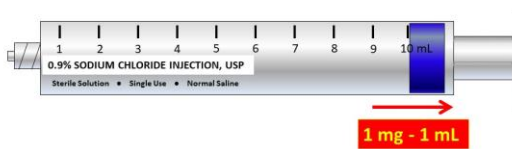
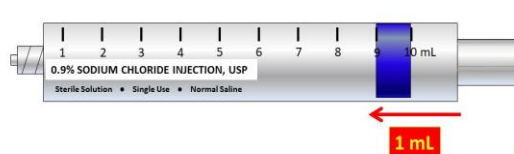
ALS

Supplies needed:

- 10 mL Syringe with Needle
- 10 mL Normal Saline Flush Syringe
- Epinephrine 1:1,000 (1 mg/1 mL) MDV
- Alcohol prep pads - aseptic technique for medication preparation

Procedure:

1. Discard 1 mL from the NS flush syringe.
2. Attach a needle to the NS flush syringe.
3. Draw 1 mL from the Epinephrine 1:1,000 (1 mg/1 mL) MDV into the syringe.



4. Gently swirl the syringe for approximately 5 seconds.
5. Syringe is prepared for administration of **Epinephrine 1:10,000 (1 mg/10 mL) (0.1 mg/1 mL)**.
6. Administer medication as indicated in protocols.

NOTE: All medications are to be mixed at the time of use. Medications will NOT be pre-mixed in advance and stored for a later use.

B. Epinephrine 1:10,000 (1 mg/10 mL) Multi-Dose Bag

Adult and Pediatric Care

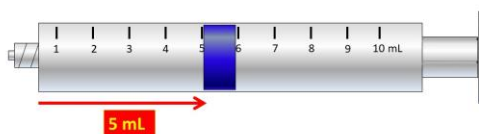
ALS

Supplies needed:

- 10 mL Syringe with Needle
- 50 mL NS Bag
- Epinephrine 1:1,000 (1 mg/1 mL) MDV
- Alcohol prep pads - aseptic technique for medication preparation

Procedure:

1. Using a 10 mL syringe with needle, draw out and discard 5 mL from the 50 mL NS Bag.
2. Draw 5 mL from the Epinephrine 1:1,000 (1 mg/1 mL) MDV into the syringe.



3. Mix 5 mL of Epinephrine into the 50 mL NS bag.
4. Gently invert the bag a few times to reconstitute the medication.
5. The medication reconstituted in the 50 mL NS bag will contain multiple doses of **Epinephrine 1:10,000 (1 mg/10 mL) (0.1 mg/1 mL)**.
6. Draw out the necessary dosage from the pre-mixed bag and administer medication as indicated in protocols.

NOTE: All medications are to be mixed at the time of use. Medications will NOT be pre-mixed in advance and stored for a later use.