Mixing 1:10,000 EPI

PROCEDURE

STEPS

1. Draw up 1 mL of epinephrine 1:1,000
2. Add it to 9 mL (per the Tie Fighter mixing diagram)
3. Label the syringe: EPI 1:10,000
4. Use it at the time of mixing — 1-hour shelf life
5. For push-dose: mix to 1:100,000 the same way, and label the syringe EPI 1:100,000

BEFORE YOU START

- Made necessary by a nationwide shortage of premixed 1:10,000 epinephrine
- 1:10,000 preparation is for cardiac arrest use
- Push-dose (1:100,000) use: hypotension with sepsis, cardiogenic shock, pre/post intubation

KIT YOU NEED

- Epinephrine 1:1,000, syringe and diluent per the mixing diagram
- Use EPI boxes only for mixing of 1:100,000

IF IT GOES WRONG

- Unlabeled or expired mix: discard — maximum 6 Epi, 1-hour shelf life, mixed at time of use

Take Home Message:

Mix 1 mL of 1:1,000 epinephrine into 9 mL, label the syringe, and use it within one hour.