



**REGION 11
CHICAGO EMS SYSTEM
PROCEDURE**

Title: 3-way stopcock – ALS

Section: Medication Administration

Approved: EMS Medical Directors Consortium

Effective Date: June 1, 2026

3-WAY STOPCOCK- ALS

INDICATIONS

- Pediatric medication administration
- Adenosine medication administration

CONTRAINDICATIONS

None

EQUIPMENT

- 3-way stopcock



- Medication to be administered
- Syringe
- Normal saline flush

PROCEDURE

1. Apply personal protective equipment: gloves.
2. For pediatric medication administration:
 - Determine amount of medication to be administered using MACC
 - Attach 3-way stopcock to luer lock end of medication syringe
 - Prime your stopcock with medication
 - Attach 1 ml or 3 ml syringe to opposite end
 - Turn flange to “OFF” on third port
 - Push medication syringe and pull up on 1 ml or 3 ml syringe to desired amount
 - Administer medication to patient
3. For adenosine medication administration:
 - Determine amount of medication to be administered using MACC
 - Attach medication syringe to top port of 3-way stopcock
 - Attach normal saline flush to the right port
 - Attach luer lock end to the patient through IV or IO or short extension tubing for direct administration
 - Turn flange down to open all ports
 - Push medication syringe in top port first
 - Once medication is complete, quickly push normal saline flush through stopcock



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Use of 3-Way Stopcock for Medication



1. Unscrew the caps



2. Ready to connect



3. Attach medication to one end and syringe to port



4. Turn blue switch "OFF"



5. Pull up or administer medication