

IV SIZE & LOCATION REQUIREMENTS FOR IV CONTRAST

- The preferred location for a peripheral IV is in an antecubital vein or a larger forearm vein.
- For the BD Nexiva Diffusics Closed IV Catheter Systems (peripheral IVs) (as of 12/2024):

Gauge	Color	Max Rate mL/sec	Max PSI
24	yellow	3.0	325
22	blue	6.5	325
20	pink	10.0	325
18	green	15.0	325

- For peripheral IV systems not known to be the new BD Diffusics system:
 - A 22-gauge system (or smaller) can be injected at rates ≤ 3 mL/sec.
 - A 20-gauge system (or larger) can be injected at rates ≥ 3 mL/sec.
- Other lines that can be used:
 - Internal jugular and external jugular IVs can be injected up to 2 mL/sec (up to 300 psi).
 - 5-French micropuncture sheaths in the IJV can be injected up to 5 mL/sec (up to 300 psi).
 - A foot IV can be injected up to 1 mL/sec (up to 100 psi).
 - PICC lines, TICC lines and nontunneled IJV and subclavian vein central lines can be injected up to the flow rate indicated on the specific catheter.
 - Chest ports can be injected up to 5 mL/sec (up to 300 psi) once confirmed to be power injectable.
- Tunneled IJV and subclavian vein dialysis catheters (Permacath) should not be used unless approved by the patient's nephrologist.