



Dayton Children's Hospital
One Children's Plaza Dayton, Ohio 45404

Laboratory Services

Specimen Collection Manual

Tube Types with Additives/Anticoagulants

PURPLE TOP/EDTA

- 10 ml tube
0.117 mL of 15% K₃EDTA solution (17.55mg)
- 3 mL tube
5.4 mg K₃EDTA

GREEN TOP/SODIUM HEPARIN

- 10 mL tube
143 USP units of sodium heparin
- 3 mL tube
45 USP units of sodium heparin

BLUE TOP/CITRATE

- 4.5 mL tube
0.5 mL of 0.105 M (Equivalent to 3.2 %) Buffered Citrate solution (12.35 mg Na₃Citrate·2H₂O and 2.21 mg Citric Acid 1H₂O)
- 1.3 mL tube
0.13 mL Citrate Solution
0.106 mol/L C₆H₅Na₃O₇ × 2H₂O

YELLOW TOP/ACD

- 8.5 mL tube
1.5 mL of Anticoagulant Acid Citrate Dextrose solution (A)

MICROBIAL ISOLATOR TUBE/YELLOW TOP

- 1.5 mL tube
0.1 mL Aqueous solution containing: 40 mg/mL purified saponin 8 mL/L polypropylene glycol. 9.6 g/L sodium polyanetholesulfonate



ORANGE TOP/CLOT INHIBITOR TUBE

3 mL tube
1.4 NIH units thrombin

GREY TOP/SODIUM FLORIDE

3 mL tube
6.0 mg of potassium oxalate and 7.5 mg of sodium flouride

ROYAL BLUE TOP/EDTA

7 mL tube
10.5 mg EDTA (Na₂) (ACS Grade)