Recommended order of draw

Ref: Clinical Laboratory Standards Institute H3A6

When filling evacuated tube from a syringe, please use the blood transfer device. Gently invert tubes 8-10 times to ensure adequate mixing. Microtainers are not suitable for all tests due to the small volume. Refer to the online test list for the required volumes.

1. **BLOOD CULTURE**
   - M/C/S
   - 1 x YELLOW
   - PAEDIATRIC
   - ADULT
   - 1 x GREEN
   - 1 x ORANGE

2. **CITRATE**
   - Must fill to line.
   - Paediatric citrate tube 1mL exactly.
   - COAG
   - INR
   - APTT
   - Anti-Xa
   - D-Dimer
   - Factor VIII
   - Factor IX
   - Factor IX

3. **SERUM SEPARATOR TUBE (SST)**
   - CHEM20
   - ONC PROFILE
   - EDV
   - Anti HTLV
   - Toxoplasma
   - HEP B
   - HEP C
   - CMV
   - CRP
   - HIV
   - ESR
   - 1mL
   - 4mL
   - 8mL

4. **SERUM NO GEL**
   - HITTs
   - Cold Agglutinins
   - Glucose
   - Lactate
   - 1mL
   - 2mL
   - 6mL

5. **TRACE ELEMENT**
   - Copper Studies, Zinc, Selenium, Aluminum
   - 6mL

6. **LITHIUM HEPARIN (PST)**
   - Alternative tube for biochemistry tests in selected anticoagulated patients e.g. renal dialysis
   - 600µL
   - 3mL
   - 6mL

7. **LITHIUM HEPARIN NO GEL**
   - FISH Chromosomes (blood)
   - Karyotype
   - Cytogenetics
   - Plasma Haemoglobin (2mL or 6mL)
   - 400µL
   - 2mL
   - 6mL

8. **EDTA**
   - PCR and Manganese tests require a dedicated sample and can’t be used with any other tests.
   - Transfusion must be in dedicated tube.
   - 500µL
   - 2mL
   - 4mL

9. **ESR**
   - Fill tube to correct volume
   - ESR
   - 1mL

10. **FLUORIDE OXALATE**
    - Glucose
    - Lactate
    - 600µL
    - 2mL
    - 5mL

11. **ACD**
    - Group & Hold
    - TMLG
    - Manganese
    - Clozapine
    - Sirolimus
    - Everolimus
    - Chimerism Studies
    - 8.5mL

For more information about Pathology Queensland visit:

For detailed test information, see the pathology test list:
qheps.health.qld.gov.au/hsq/pathology/testing/home.htm

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