**Specimen collection**

**Blood tube**

**RECOGNITION CHART**

**Blue cap**
- Citrate
- Fill tube to correct volume
- BLACK INSERT
- 3.5 ml

Coagulation Tests:
- Coagulation Screen/Profile
- APTT
- PT/INR
- D-Dimer
- Low Molecular Weight Heparin (Clexane)

Biochemistry Tests:
- Glucose (CSF and Plasma)
- Lactate (CSF and Plasma)

ANTICOAGULANTS

**Red cap**
- Yellow Insert
- 2.5 ml

Routine Biochemistry Tests:
- Creatinine (Cr)
- Urea (U) + Glucose (UG)
- Liver Function Tests (LFT)
- CEP
- CHEM20
- Calcium, Magnesium
- Troponin, CK
- Gentamicin/Vancomycin
- Thyroid Function Test (TFT)
- Anti-coagulants

Viral Serology Tests:
- Hepatitis A, B, C / HIV

Immunology Tests:
- RH Factor
- ANA / EMA / AMA

**Green cap**
- Yellow Insert
- Lithium Heparin Gel
- 5 ml

To be used for selected tests that stipulate Lithium Heparin with gel.
Alternative for Biochemistry tests in selected anticoagulated patients eg. Renal dialysis.

**Pink cap**
- Blood-banking EDTA
- 6 ml

**Mauve cap**
- EDTA
- 4 ml

Routine Haematology Tests:
- Full Blood Count
- Direct Coombs

Biochemistry Tests:
- HbA1c
- Ammonium
- Blood Lead

**Grey cap**
- Fluoride Oxalate
- 6 ml

Biochemistry Tests:
- Glucose (CSF and Plasma)
- Lactate (CSF and Plasma)
- Glucose Tolerance Test (ITT)

**RECOMMENDED ORDER OF DRAW**

When filling evacuated tube from a syringe, please use the blood transfer device. If device is unavailable, unscrew cap on tube, remove needle from syringe and gently fill tube to mark.

1. **Blood Culture Bottles**
   (if required, always collect first)

2. **Blue Citrate tube**

3. **Red Serum tube**

4. **Green Lithium Heparin tube**

5. **Mauve EDTA tube**

6. **Grey Fluoride Oxalate tube**

**SMALL VOLUME BLOOD TUBES**

**Blue cap**
- Citrate
- Fill tube to correct volume
- 1.0 ml

Coagulation Tests:
- Coagulation Screen/Profile
- APTT
- PT/INR
- D-Dimer
- Low Molecular Weight Heparin (Clexane)

**Red cap**
- Serum Gel
- Fill tube to correct volume
- Multiple tubes may be required
- 0.5 ml

Routine Biochemistry Tests:
- Electrophoresis, Urine (EUSK) plus Glucose (UG) (x 2 tubes)
- Liver Function Tests (LFT) + CEP
- CHEM20
- Calcium, Magnesium
- Troponin, CK
- Thyroid Function Test (TFT)
- Gentamicin/Vancomycin

Viral Serology Tests:
- Hepatitis A, B, C / HIV

Immunology Tests:
- RH Factor
- ANA / EMA / AMA

**Green cap**
- Lithium Heparin (LHep)
- 0.5 ml

To be used for selected tests that stipulate Lithium Heparin with gel.
Alternative for Biochemistry tests in selected anticoagulated patients eg. Renal dialysis.

**Pink cap**
- EDTA
- 0.5 ml

Biochemistry Tests:
- Lactate
- Glucose
- Creatinine

**Black cap**
- Citrate
- Fill tube to correct volume
- 1.0 ml

Routine Haematology Tests:
- Full Blood Count
- Direct Coombs

Biochemistry Tests:
- HbA1c
- Ammonium
- Blood Lead

**TUBE MUST BE DATED, TIMED AND SIGNED BY THE COLLECTOR**

For more detailed information, see the Pathology Test List.

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