Te Whatu Ora
Health New Zealand
Te Toka Tumai Auckland

Starship
Child Health

Central Venous Catheter Blood Cultures in Starship Child

Temp ≥ 38°C? Signs of sepsis? *e.g. Chills, Rigors, ↑HR, ↓BP*

Yes → Blood cultures taken in the last 24 hours?

Yes → Consult with SMO, observe symptoms and reassess

No → Patient under Starship Blood and Cancer Centre

REMEMBER:

- Wear sterile gloves for this procedure
- Change Needlefree connectors before taking blood cultures

Patient under Starship Blood and Cancer Centre

No → Send blood cultures off central venous catheter according to patient weight

<30kg → Discard mimimum 3ml

One paediatric blood culture bottle

Draw 1-5ml (0.25ml/kg) from one lumen and dispense into bottle

> 30kg → No discard required

One adult (aerobic) blood culture bottle

Draw 8-10ml from one lumen and dispense into bottle

Yes → Send blood cultures off central venous catheter according to patient weight

< 30kg → Discard mimimum 3ml

Single-lumen catheters e.g. Port

Two paediatric blood culture bottles

Draw 2-10ml (0.25ml/kg) of blood and dispense equally between two bottles

Multi-lumen catheters e.g. Hickman line

One paediatric blood culture bottle per lumen

Draw 1-5ml (0.25ml/kg) from each lumen and dispense into bottles

> 30kg → No discard required

Single-lumen catheters e.g. Port

Two adult (aerobic) blood culture bottles

Draw 16-20ml of blood and dispense equally between two bottles

Multi-lumen catheters e.g. Hickman line

One adult (aerobic) blood culture bottle per lumen

Draw 8-10ml from each lumen and dispense into bottles

<u>Paediatric Intensive Care Unit (PICU)</u>

Additional blood cultures taken from separate sites should be obtained for patients in **PICU**

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