

PICU Respiratory Samples - Trakcare

Trakcare Name	Specimen type	Sample tube	What you get
"PICU Resp"	Throat swab NPA BAL – blind or bronchoscopic Blood culture	Viral sample in VTM (pink fluid in fridge) – <i>do not leave throat swab in VTM</i> Micro – plain universal container or BAL suction pot	<ul style="list-style-type: none"> •Extended viral panel : Flu A/B; RSV; Adenovirus; M. Pneumoniae; Parafly 1-4; Rhino/enterovirus; Coronavirus; HMPV •Bacterial culture •Blood culture
"BAL Screen"	BAL - preferably bronchoscopic but blind if bronchoscopy not possible	VTM	PCP / CMV
Pertussis PCR	Preferably NPA or Throat swab	VTM	Pertussis PCR
TB Culture	Bronchoscopic BAL or sputum (not throat swab or ET secretions)	Universal container	TB culture
Aspergillus PCR	Bronchoscopic BAL Blood	Universal container EDTA bottle	Aspergillus
Aspergillus Antigen (Galactomannan)	Bronchoscopic BAL Blood	Universal container Clotted blood – yellow gel top)	Aspergillus
Beta-D Glucan <i>Special request only</i>	Blood	Clotted – yellow gel top	Fungal biomarker
Cryptococcal antigen <i>Special request only</i>	Blood	Clotted – yellow gel top	Cryptococcus

Respiratory Microbiology sampling

All respiratory admissions

- **Throat swab / NPA**
- Request “PICU Resp” on Trakcare
- < 6 months or clinical indication – add “Pertussis PCR”

Ventilated?

- **Blind BAL**
- Repeat “PICU Resp”
- Add “Pertussis PCR” – throat swab/NPA

Immune compromise ?

- **Bronchoscopic BAL (if possible)**
- “PICU Resp” – include free text “Extended fungal culture”
- “BAL Screen” – will test for PCP / CMV
- TB Culture
- Aspergillus antigen and Aspergillus PCR – blood and BAL
- Consider BD Glucan and Cryptococcal Antigen (from blood samples) only after discussion with microbiology