

# Detection of respiratory pathogens by real-time PCR

Clinpath Laboratories is pleased to announce that testing of respiratory pathogens is now available. We have invested in state-of-the-art technology to develop a real-time PCR menu that detects the most clinically relevant pathogens. The testing is being offered at our main laboratory at Kent Town.

## Pathogens detected on routine Flu PCR requests include:

- Influenza A
- Influenza B
- RSV

Please request Flu PCR if Influenza A/B or RSV infection is suspected.

## Pathogens detected on extended Respiratory PCR requests include:

- Influenza A and B
- Respiratory syncytial virus (RSV)
- Rhinovirus
- Adenovirus
- Human metapneumovirus
- Enterovirus
- Parainfluenza 1-4

Please request Respiratory PCR if investigation for the extended panel is required.

## Additional atypical pathogens available on request include:

- *Bordetella pertussis*
- *Mycoplasma pneumoniae*

On-site real-time PCR offers a rapid turnaround time with high combined sensitivity (>98%) and specificity (>99%) with the majority of results available next day.

## Requesting procedure for respiratory samples

Clinical presentation	Sample types	Request
<b>Flu</b>	Deep nasal swab (dry)	Flu PCR (Flu A/B, RSV)
<b>Respiratory viruses</b>	Deep nasal swab (dry)	Respiratory PCR
<b>Pertussis</b>	Nasopharyngeal or throat swab (dry)	Pertussis PCR
<b>Mycoplasma</b>	Sputum/ Tracheal aspirate preferable or nasopharyngeal swab (dry)	Mycoplasma PCR

^If the clinical presentation also suggests possible bacterial aetiology, a swab in transport medium must also be collected and MC/S requested.

## Swab guide



Respiratory PCR swab (thin wire)



Bacterial microscopy & culture swab

**NEW**

**Infectious Diseases Reports available on [www.clinpath.com.au](http://www.clinpath.com.au)**

## Infectious diseases reports to keep you up to date on what's circulating

Check out the Clinpath Laboratories website for weekly updates of significant infectious diseases circulating in our area of service. In this era of antibiotic stewardship, it is beneficial to help patients understand that many respiratory infections are viral, that there are many different respiratory viruses, and that these do not respond to antibiotics. These reports will assist you in knowing which viruses are circulating. Available online and updated weekly, they will keep you right up to date.

For further enquiries please contact Dr Jhumur Roy, Clinical Microbiologist on (08) 8366 2014.