



CPHLN/RLSPC

**The Canadian Public Health Laboratory Network**

**Laboratory Testing for Patients with Severe Respiratory Illness  
(SRI)  
Not Yet Diagnosed (NYD)**

The following are suggested laboratory diagnostic tests that may be considered in the work-up of patients presenting with symptoms of SRI NYD. Relevant medical history, as well as clinical signs and symptoms will dictate appropriate testing for each patient.

Blood culture

Sputum for C&S

Nasopharyngeal swab in viral transport for:

- virus culture (influenza, parainfluenza, RSV, adenovirus)
- direct antigen testing

Nasopharyngeal swab in transport medium for:

- *Chlamydia pneumoniae* PCR or culture
- *Mycoplasma pneumoniae* PCR or culture

Serology for *Mycoplasma pneumoniae*

Other diagnoses to consider may include:

- Tuberculosis: sputum, lower respiratory tract specimen such as BAL if available
- Legionella: urine, sputum, lower respiratory tract specimen such as BAL if available, acute and convalescent serum

The Canadian Public Health Laboratory Network  
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