

# Comprehensive respiratory virology testing solutions

Streamline your workflow during the busy respiratory testing season with a complete range of rapid, accurate Thermo Scientific™ respiratory virology diagnostic kits, from influenza detection to respiratory screens. Combined with a full portfolio of transport products, our products are designed to provide easy-to-read, definitive results you can trust.



Viruses cause disease in all age groups, but infections are most severe in infant, elderly and immunocompromised populations, leading to hospitalization of patients.<sup>1</sup>

Nosocomial outbreaks can occur in paediatric and geriatric wards, resulting in extended hospitalization, prolonged patient management and increased morbidity and mortality.<sup>2,3</sup> Respiratory virus infections in infants may cause obstruction of airways and lead to respiratory distress.

**References** <sup>1</sup>Gardner P.S., Turk D.C., Aherne W.A., Bird T., Holdaway M.D., Court S.D.M. (1967) Deaths associated with respiratory tract infection in childhood. *British Medical Journal* 4: 316-320 <sup>2</sup>Mathur U., Bentley D.W., Hall C.B. (1980) Concurrent respiratory syncytial virus and influenza A infections in the institutionalised elderly and chronically ill. *Ann Intern Med* 1: 430-431 <sup>3</sup>Purkiss D. (1983) Parainfluenza infections in the elderly 1976-82. *PHLS Communicable Disease Report* 83/19: 3

## Influenza A&B

Influenza A and B viruses cause worldwide seasonal epidemics of respiratory disease in adults and infants with a disease spectrum ranging from mild upper respiratory tract symptoms to severe pneumonia.<sup>4,5</sup>

### Thermo Scientific™ IMAGEN™ Influenza Virus A and B

A qualitative immunofluorescence test for direct detection and differentiation of influenza A virus and influenza B virus in respiratory specimens and cell culture.

### Thermo Scientific™ Xpect™ Flu A & B

A rapid, chromatographic immunoassay for the direct, qualitative detection of influenza A and influenza B viral antigens.

## Human Metapneumovirus (hMPV)

With a prevalence and clinical significance comparable to RSV, hMPV's inclusion in routine laboratory testing protocols has been recommended.<sup>7,8</sup>

### Thermo Scientific IMAGEN Human Metapneumovirus

A qualitative immunofluorescence test for direct detection of hMPV in respiratory specimens.

## Respiratory Syncytial Virus (RSV)

RSV is the major cause of lower respiratory tract disease in infants and young children, causing seasonal epidemics of respiratory illness each year.

### Thermo Scientific IMAGEN Respiratory Syncytial Virus (RSV)

A qualitative immunofluorescence test for direct detection of RSV in respiratory specimens and cell culture.

### Thermo Scientific™ PathoDx™ RSV Kit

An immunofluorescent test for detecting RSV.

### Thermo Scientific Xpect RSV Test

A rapid, chromatographic immunoassay for the direct, qualitative detection of RSV directly from nasopharyngeal specimens in neonatal and pediatric patients.

## Adenovirus

Adenovirus infections are associated with respiratory, ocular and enteric disease.<sup>6</sup>

### Thermo Scientific IMAGEN Adenovirus

A qualitative immunofluorescence test for direct detection of adenovirus in respiratory secretions and ophthalmic specimens, as well as detection and confirmation of adenovirus in cell culture.

### Thermo Scientific™ ProSpec™ Adenovirus Test

A qualitative enzyme immunoassay for the detection of adenovirus in human feces or infected cell culture monolayers.

## Parainfluenza

Parainfluenza virus types 1, 2 and 3 can infect and cause disease throughout the upper and lower respiratory tract.

### Thermo Scientific IMAGEN Parainfluenza Virus Group

A qualitative immunofluorescence test for direct detection and confirmation of parainfluenza virus antigens in respiratory specimens and cell culture.

### Thermo Scientific IMAGEN Parainfluenza Virus Typing

A qualitative immunofluorescence test for direct detection and differentiation of parainfluenza virus types 1, 2 and 3 antigens in respiratory specimens and cell culture.

## Respiratory Screening

An immunofluorescence screening test for respiratory viruses provides a rapid and cost-effective method for detection of respiratory virus infections with similar clinical symptoms.

### Thermo Scientific IMAGEN Respiratory Screen

An indirect immunofluorescence test for the detection of respiratory viruses, including RSV, influenza A and B viruses, parainfluenza virus types 1, 2 and 3, adenovirus and hMPV, in clinical specimens.

### Thermo Scientific PathoDx Respiratory Virus Panel

An immunofluorescent assay for detection of influenza A and B, adenovirus, parainfluenza 1, 2, and 3 and RSV.

## Transport Products

Maintain organism viability and counts for verification studies, quality control procedures, and repeat testing of viruses, chlamydiae, mycoplasma and ureaplasma with Thermo Scientific™ Microtest™ transport products.

### Thermo Scientific M4

Contains gelatin, vancomycin, amphotericin B and colistin. Store at -25 to +8°C.

### Thermo Scientific M4RT

Contains gelatin, gentamicin and amphotericin B. Store at 2-30°C.

### Thermo Scientific M5

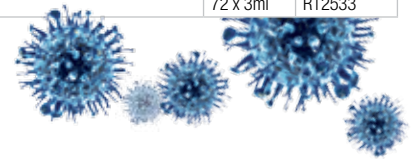
Contains vancomycin, amphotericin B, colistin and protein stabilizers. Store at -25 to +8°C.

### Thermo Scientific M6

Contains gelatin, vancomycin, amphotericin B and colistin. Store at 2-30°C.

**References** <sup>4</sup>Potter C.W. (1990) Influenza. In *Principles and Practice of Clinical Virology* (eds A.J. Zuckerman *et al.*). John Wiley and Sons Ltd, Chichester, pp 213-238 <sup>5</sup>Murphy B.R. and Webster R.G. (1990) Orthomyxoviruses in *Virology* (eds B.N. Fields and D.M. Kribe) Raven Press, New York, pp 1091-11523 <sup>6</sup>Wadell G. (1990) Adenoviruses. In *Principles and Practice of Clinical Virology* (eds A.J. Zuckerman *et al.*). John Wiley and Sons Ltd. Chapter 4 iv, pp 267-287 <sup>7</sup>Ordás, J., Boga, J.A., Alvarez-Argüeller, M. *et al.* (2006) *J. Clin. Micro.* 44(8): 2739- 2742 <sup>8</sup>Chano, F., Rouseau, C., Laferrière, C. *et al.* (2005) *J. Clin. Micro.* 43(11): 5520-5525.

Respiratory products	Size/Format	Order code
<b>IMAGEN Influenza Virus A and B</b>	50 tests	K610511-2
Positive Control Slide	Each	S611230-2
Xpect Flu A & B	20 tests	R24600
Xpect Flu A & B Control Swabs	40 tests (20 each)	R246003
<b>IMAGEN Adenovirus</b>	50 tests	K610011-2
Positive Control Slide	Each	S611330-2
ProSpecT Adenovirus Test	96 wells	R240096
<b>IMAGEN hMPV</b>	50 tests	K612511-2
Positive Control Slide	Each	S612830-2
<b>IMAGEN Parainfluenza Virus Group</b>	50 tests	K610311-2
IMAGEN Parainfluenza Virus Typing	50 tests	K610411-2
IMAGEN Parainfluenza Virus Positive Control Slide	Each	S611130-2
<b>IMAGEN Respiratory Syncytial Virus</b>	50 tests	K610211-2
Positive and Negative Control Slides	Each	S610830-2
PathoDx RSV Kit	100 tests	R62370
PathoDx RSV Control Slides	5 slides	R62375
Xpect RSV Test	30 tests	R24601
Xpect RSV Control Kit (2 vials: 1 negative and 1 positive control)	Each	R246012
<b>IMAGEN Respiratory Screen</b>	100 tests	K612011-2
Positive Control Slide	Each	S612130-2
IMAGEN Teflon™-Coated Slides	100 slides	S611430-6
PathoDx Respiratory Virus Panel Control Slides & Reagents	200 tests	R62400
PathoDx Influenza A Reagent	2ml	R62405
PathoDx Influenza B Reagent	2ml	R62406
PathoDx Adenovirus Reagent	2ml	R62407
PathoDx Parainfluenza 1 Reagent	2ml	R62408
PathoDx Parainfluenza 2 Reagent	2ml	R62409
PathoDx Parainfluenza 3 Reagent	2ml	R62410
PathoDx RSV Reagent	2ml	R62411
PathoDx Negative Control Reagent	10ml	R62412
PathoDx Screening Reagent	10ml	R62416
PathoDx Mounting Fluid	15ml	R62413
PathoDx Control Slides	5	R62414
<b>Microtest Transport M4</b>	12 x 3ml	R12502
	72 x 3ml	R12500
<b>Microtest Transport M4RT</b>	12 x 3ml	R12506
	72 x 3ml	R12505
<b>Microtest Transport M5</b>	12 x 3ml	R12516
	72 x 3ml	R12515
<b>Microtest Transport M6</b>	12 x 1.5ml	R12535
	72 x 1.5ml	R12530
	72 x 3ml	R12533



For more information about these and other respiratory virology products, visit [thermoscientific.com/microbiology](http://thermoscientific.com/microbiology)

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