



SSN: 1173-1680



VIROLOGY WEEKLY REPORT

2007/40 10 October 2007

A summary of laboratory-diagnosed viral infections of interest for the week of 01/10/2007 - 07/10/2007

VIRAL AND MYCOPLASMA INFECTIONS REPORTED THIS WEEK

	Virus Laboratory					TOTAL
	Auckland	Waikato	ESR	Wellington	Christchurch	
Influenza A	1		2		6	9
Influenza B	1				6	7
Mycoplasma Pneumoniae		1			3	4
Parainfluenza 3		2			1	3
Respiratory Syncytial Virus (RSV)	9	5			10	24
Rhinovirus		2				2
Rotavirus	4	4		7	8	23
Varicella Zoster Virus (VZV)	2	6		1	5	14
Adenovirus	4	11			1	16
Enterovirus		1			1	2
Mumps					2	2

In September 2007, Middlemore hospital reported 37 Respiratory Syncytial Virus (RSV) 25 Varicella Zoster Virus (VZV) infections.

VIRUS ISOLATIONS AND IDENTIFICATIONS WITH DETAILS

Virus	Type/ subtype	ID Method	Health district	Specimen Type/site	Date Specimen taken	Age/ sex	Clinical data
Adenovirus	Type 1	Neut	WK	Eye swab	28.7.2007	64 Y/F	Conjunctivitis
Adenovirus	Type 1	Neut	WK	Eye swab	03.8.2007	31 Y/M	Conjunctivitis
Adenovirus	Type 1	Neut	WK	Eye swab	06.8.2007	24 Y/F	Conjunctivitis
Adenovirus	Type 2	Neut	CA	NPA	17.9.2007	18M/F	Recent RSV infection
Adenovirus	Type 3	Neut	WK	Throat	31.8.2007	38 Y/F	Sore throat, tender submandibular nodes
Adenovirus	Type 8	Neut	CA	Eye Swab	16.8.2007	13M/M	Unknown
Adenovirus	Type 8	Neut	SA	Eye Swab	27.8.2007	24Y/F	Unknown
Adenovirus	Type 8	Neut	SA	Eye Swab	22.8.2007	20M/M	Conjunctivitis
Adenovirus	Type 8	Neut	WK	Eye swab	21.8.2007	36 Y/M	Eye Infection
Adenovirus	Type 37	Neut	SA	Eye Swab	08.9.2007	39Y/F	Unknown
Adenovirus	Type 37	Neut	CA	Eye Swab	12.9.2007	17Y/F	Unknown
Adenovirus	Type 37	Neut	CA	Eye Swab	13.9.2007	37Y/M	Unknown
Adenovirus	Type 37	Neut	CA	Eye Swab	06.9.2007	17M/F	Unknown
Enterovirus	Echovirus type 11	IF, Neut	WK	Nasal	17.8.2007	5 M/M	Meningitis, Fever
Enterovirus	Echovirus type 11	IF, Neut	WK	Nasal	29.8.2007	1 Y/F	SOB fever
Enterovirus	Echovirus type 11	IF, Neut	WK	Faeces	28.8.2007	34 Y/M	Meningitis
Mumps		IgM	WG	Serum	01.10.2007	42/F	
Mumps		IgM	CB	Serum	03.10.2007	16/M	Contact with mumps in Rarotonga 2 weeks ago. Swollen parotid glands.

CA: Central Auckland

CB: Canterbury

SA: South Auckland

WG: Wanganui

WK: Waikato

Neut Neutralisation test

PCR Polymerase Chain Reaction (DNA)

RT-PCR Polymerase Chain Reaction (RNA)

IgM Positive IgM ELISA

IgG IgG seroconversion

ITD Intratypic differentiation

IF Immunofluorescence test

NPA Nasopharyngeal Aspirate

NPS Nasopharyngeal Swab

HAI Haemagglutination Inhibition test

CFT Complement Fixation Test

CSF Cerebrospinal Fluid

NOTE: During April to September 2007, sentinel as well as hospital surveillance for influenza is conducted. For detailed information on consultation rates and viral isolations, please refer to "Influenza Weekly Update" report which can be viewed at http://www.surv.esr.cri.nz/virology/influenza_weekly_update.php.

The Virology Weekly reporting only records numbers of influenza viral isolations from sentinel and hospital surveillance. This report is also available at http://www.surv.esr.cri.nz/virology/virology_weekly_report.php.

Data provided by Virology Laboratories of Auckland, Waikato, Christchurch and Dunedin Hospitals, Microbiology Laboratory of Wellington Hospital and ESR.

Edited by: Judy Bocacao and Lisa Van Duin, Virology, Communicable Disease Group