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WA 100/N 277

NATIONAL MICROBIOLOGICAL LABORATORY REPORTING SERVICE

BULLETIN 6

11-24 March 1977

Mailing list

Suggestions are still welcome. Circulation of this issue is just under 50 copies.

Methods of isolation and direct identification used

This bulletin contains a table showing the methods leading to positive identifications from each source tissue. Excluded from the table are herpes simplex type II infections, hepatitis, all examinations of serum, and all cases where typing was pending. In its present form the table does not indicate which examinations on which source tissue are proving most fruitful, because the methods used are influenced by the clinical diagnosis. In a few months' time when we have more reports and can sort the clinical situations by computer we should be able to demonstrate the areas of high yield, at least for the more common clinical situations such as those listed in bulletin 5. A complete investigation would require collection of denominator data on numbers of tests done.

The table was included in this bulletin as an indication of the sort of feedback the service should ultimately be able to provide to laboratories.

Hepatitis B in Adelaide (supplied by IMVS)

The relatively large number of hepatitis B antigen and antibody cases that have been seen in recent weeks is due to infection in a group of IV drug users. It is not yet known whether the clinically well but antigen positive cases among this group are pre-clinical cases or carriers.

BULLETIN 7

Production may be affected by Easter holidays. We will do our best.

VIRUS OR VIRAL ANTIGEN	IMVS	ICPMR	FAIR-FIELD	RAHC	PHH/POW	RCH	TOTAL
0100 Adenovirus not typed	1					1	2
0101 " type 1			1				1
0102 " " 2	2		1		2		5
0105 " " 5	1						1
0106 " " 6					1		1
0107 " " 7	1						1
0108 " " 8			3				3
0301 Parainfluenza virus type 1	4					2	6
0302 " " " 2			1			3	4
0303 " " " 3	1					2	3
0400 Respiratory syncytial virus (RS)						2	2
0500 Rhinovirus (all types)	4					6	10
0600 Mycoplasma pneumoniae	1	2	1				4
0700 Ornithosis-psittacosis			6				6
0901 Coxsackievirus B1	1						1
0905 " B5	1				2		3
1001 Echovirus type 1					1		1
1006 " " 6		1	10	1	2		14
1009 " " 9			2				2
1011 " " 11	1				1		2
1012 " " 12		1					1
1016 " " 16			1				1
1017 " " 17	1		3				4
1018 " " 18		1					1
1019 " " 19	5		11				16

VIRUS OR VIRAL ANTIGEN	IMVS	ICPMR	FAIR-FIELD	RAHC	PHH/POW	RCH	TOTAL
1022 Echovirus type 22			1				1
1104 Poliovirus - vaccinal strain					1		1
1200 Mumps virus		3		1			4
1300 Herpes virus not typed	1		2				3
1301 Herpes simplex virus - not typed	2	6	1	2	2	5	18
1303 Varicella-Zoster virus	1	1	1				3
1306 Herpes simplex type 1 (oral)	7		5				12
1307 Herpes simplex type 2 (genital)	12	9	3				24
1401 Coxiella burneti		9				1	10
1512 Vaccinia virus		1	1				2
1521 Measles virus			1				1
1522 Rubella virus			1			1	2
1532 Hepatitis B antigen	20		30		9		59
1533 " B antibody	24						24
1556 CMV - Cytomegalovirus	2	2	1			3	8
TOTAL TYPED VIRUSES	93	36	87	4	21	26	267
0199 Adenovirus type pending	5			2		2	9
0399 Parainfluenza virus, type pending	1					2	3
1099 Echovirus type pending				4			4
1399 Herpes virus type pending		3	5				8
1599 Enterovirus type pending	6					6	12

VIRUS OR VIRAL ANTIGEN	SOURCE TISSUE										TOTAL
	FA	BL	NA	CS	SK	EY	UR	GE	BR	OT	
1019 Echovirus type 19	3		9	8							20
1022 " " 22			1								1
1104 Poliovirus - vaccinal strain	1										1
1200 Mumps virus		3		1							4
1300 Herpes virus not typed					3						3
1301 Herpes simplex virus - not typed		10	5	1						2	18
1303 Varicella-Zoster virus		1			2						3
1306 Herpes simplex type 1 (oral)			4		6			2			12
1307 " " " 2 (genital)					1			23			24
1401 Coxiella burneti		10									10
1512 Vaccinia virus					2						2
1521 Measles virus		1									1
1522 Rubella virus		2									2
1532 Hepatitis B antigen		59									59
1533 " B antibody		24									24
1556 CMV - Cytomegalovirus		3	1				4			1	9
TOTAL TYPED VIRUSES	17	124	63	21	14	4	5	26	1	4	279
0199 Adenovirus type pending	2		5			1				2	10
0399 Parainfluenza virus, type pending			3								3
1099 Echovirus type pending	1		1	2							4
1399 Herpesvirus type pending			5		1		1			1	3
1599 Enterovirus type pending	4		6	5							15

METHOD OF ISOLATION OR DIRECT IDENTIFICATION	SOURCE TISSUE										TOTAL
	FA	BL	NA	CS	SK	EY	UR	GE	BR	OT	
Primary cell culture	13		34	13	5						65
Continuous cell lines	9		37	16	5			1	1	1	70
Continuous cell strains (diploid)	3		19	1	10	4	5	3		3	48
Embryonated eggs					1						1
Electron microscopy					3	1					4
Immunofluorescence			9								9
TOTAL	25		99	30	24	5	5	4	1	4	197

Source tissue abbreviations -

- . FA faeces/rectal swab
- . BL blood/serum
- . NA nasopharyngeal swab or aspirate
- . CS cerebrospinal fluid
- . SK skin
- . EY eye
- . UR urine
- . OT other
- . GE genital swab
- . BR bronchial washings or aspirates