

MICROBIOLOGY DIVISION – MILWAUKEE HEALTH DEPARTMENT**MONTHLY REPORT**

December 2005 Vol. 10, No. 12

Ajaib Singh, D.V.M.,Ph. D.

MICROBIOLOGY REPORT: The December 2005 issue of Microbiology Monthly Report, Volume 10, presents the laboratory diagnosis of some of the infectious diseases, the reference microbiology work done in this laboratory during November 2005 and new cases of syphilis in Milwaukee during October 2005. Information on the laboratory diagnosed mycobacterial infections in Wisconsin during October is also included.

Legionnaires Disease (November 2005)

Patient		Test		
Age	Sex	Urine Antigen	Culture	DFA
41	M	+	ND	ND

ND = Not done.

Pertussis (Whooping cough) November 2005

Patient		Test	
Age	Sex	Culture	PCR
39	M	-	+

Syphilis (November 2005)

Test	Number Positive	Test	Number Positive
RPR	3	FTA-ABS	13
VDRL	39	DARK FIELD	0

New Cases Syphilis

The Wisconsin Division of Health has reported 4 new cases (early stages) of syphilis during October 2005 in Milwaukee. The median age of early syphilis cases is 38.5 years (range: 35-41 years). Morbidity distributions of the disease reported in this and the corresponding month of the previous year are as follows:

New Cases of Syphilis (October 2005 and October 2004)

Stage	Number of Cases	
	October 2005	October 2004
Primary syphilis	0	0
Secondary syphilis	1	1
Early latent	3	1
Late latent	3	0
Total	7	2

Gonorrhea (November 2005)

Number Tested	Decreased Susceptibility (DS)/Resistance (R) to Antibiotics			
	Ciprofloxacin	Ceftriaxone	Spectinomycin	Azithromycin
61	0	0	0	0

Gonorrhea from Other Sources (Aurora Consolidated Labs) November 2005

Number Tested	Decreased Susceptibility (DS)/Resistance (R) to Antibiotics			
	Ciprofloxacin	Ceftriaxone	Spectinomycin	Azithromycin
7	0	0	0	0

ND = Not determined

Isolates Other Than *N. gonorrhoeae* (November 2005)

Organism	Site	Number Isolates	Organism	Site	Number Isolates
<i>Ureaplasma urealyticum</i>	Genital	29	<i>Mycoplasma hominis</i>	Genital	9

Parasitic Enteric Pathogens (November 2005)

Age	Sex	Pathogen	Number Cases
21	M	<i>Iodamoeba buetschlii</i>	1
25	M	<i>Iodamoeba buetschlii</i>	1
		<i>Entamoeba sp</i>	
22	M	<i>Cryptosporidium sp</i>	1
7	M	<i>Giardia lamblia</i>	1
16	F	<i>Entamoeba coli</i>	1
29mo	M	<i>Giardia lamblia</i>	1
6	F	<i>Giardia lamblia</i>	1

Mycobacterial infections (November 2005)

Age	Sex	Test Results			Identification
		Sputum Smear	Culture	DNA Probe	
25	F	+	+	+	<i>M. avium</i> complex

Reference Cultures (November 2005)

Age	Sex	Site/Specimen Source	Culture Identification
66	M	Sternum	<i>Corynebacterium amycolatum</i>
63	F	Wound	<i>Corynebacterium urealyticum</i>
12	F	Wound	<i>Methylobacterium sp</i>
52	F	Synovial fluid	CDC group EO-2
90	M	Urine	<i>Oligella urethralis</i>
67	F	Catheter tip	<i>Corynebacterium jeikeium</i>
79	F	Blood	<i>Bacillus sp not anthracis</i>
93	M	Rt cornea	<i>Moraxella nonliquefaciens</i>
72	M	Sputum	<i>Corynebacterium pseudodiphtheriticum</i>
50	M	Blood	<i>Neisseria subflava</i>

Bacterial Enteric Pathogens (November 2005)

Age	Sex	Pathogen	Age	Sex	Pathogen
3	M	<i>Shigella sonnei</i>	44	F	Salmonella gp B subsp. I monophasic i
29	F	<i>Shigella sonnei</i>	38	M	<i>Salmonella enteritidis</i>
			50	F	<i>Salmonella enteritidis</i>
			88	M	<i>Salmonella enteritidis</i>
			22	M	<i>Salmonella typhimurium</i>
			30mo	M	<i>Salmonella oranienburg</i>
			59	F	<i>Salmonella Heidelberg</i>

Laboratory Diagnosed Mycobacterial Infections in Wisconsin during October 2005

<i>Mycobacterium</i> species		Brown	Dane	Eau Claire	Kenosha	La Crosse	Manitowoc	Marathon	Milwaukee	Outagamie	Racine	Rock	Washington	Waukesha	Winnebago	Wood	TOTALS
<i>M. tuberculosis</i> complex	Pulm																0
	Extra											1					1
Total <i>M. tuberculosis</i> complex												1					1
<i>M. avium</i> complex	Pulm	1	5		2	1	1		30	4	1	1			2	2	50
	Extra		1						7	1							9
<i>M. gordonae</i>	Pulm		3	2		2		1	9			2		4	2	2	27
	Extra																0
<i>M. abscessus</i>	Pulm		1						1							1	3
	Extra															2	2
<i>M. chelonae</i>	Pulm								2								2
	Extra																0
<i>M. fortuitum</i> group	Pulm		2						4			1					7
	Extra																0
<i>M. kansasii</i>	Pulm				1				1								2
	Extra													1			1
<i>M. marinum</i>	Pulm																0
	Extra		1							1							2
<i>M. mucogenicum</i>	Pulm								1			1			1		3
	Extra								2								2
<i>M. xenopi</i>	Pulm								1				1				2
	Extra								1								1
<i>M. lentiflavum</i>	Pulm										1						1
TOTALS		1	13	2	3	3	1	1	59	6	2	5	1	5	5	7	114

Extra-Pulmonary Sources of Isolation:

<i>M. tuberculosis</i> complex	1 gastric
<i>M. avium</i> complex	1 gastric, 1 whole blood, 1 urine, 1 elbow, 2 blood/bone marrow, 1 bursa, 1 spinal mass, 1 lingulae
<i>M. gordonae</i>	
Other species	1 <i>marinum</i> wrist, 1 <i>mucogenicum</i> blood, 1 <i>mucogenicum</i> lymph node, 1 <i>xenopi</i> stool, 1 <i>marinum</i> abscess, 2 <i>abscessus</i> foot, 1 <i>kansasii</i> olecranon bursa

Wisconsin TB Isolations and Antibiotic Susceptibilities:

The one TBC isolate reported by a Wisconsin lab this month was from a Wisconsin TB case.
The one TBC isolate was susceptible to all first-line TB drugs.

Source: **Mycobacteriology Laboratory Network Data Report, Wisconsin State Laboratory of Hygiene, Madison, WI**

SUMMARY OF CONFIRMED VIRUS INFECTIONS

ISSUE #1202 PAGE ONE

MILWAUKEE HEALTH DEPARTMENT

VIROLOGY DIVISION, G. SEDMAK, Ph.D. (414)286-3526

WEBSITE: www.milwaukee.gov/healthlab

**"We welcome any question or comments you have. Please see our
"Feedback" form on our website.**

VIRUS ISOLATION: WEEKS OF DECEMBER 7TH THROUGH JANUARY 6, 2006

Patient	Symptoms	Specimen	Submitted	Virus
M 50 yr	A.R.D.	NP/RMK cells	01/05/06	Influenza A (H3)
F 17 yr	A.R.D.	B.A.L./RMK cells	01/04/06	Influenza A (H3)
F 68 yr	A.R.D.	NP/RMK cells	01/04/06	Influenza A (H3)
F 33 yr	R/O Influenza	NP Swab	12/27/05	Influenza A (H3)
M 27 yr (UWM)	R/O Influenza	Throat Swab	12/20/05	Influenza A (H3)
M 24 yr (UWM)	Cough, Sore Throat, Fever, Headache	Throat Swab	12/16/05	Influenza A (H3)
F 18 yr (UWM)	R/O Influenza	Throat Swab	12/8/05	Parainfluenza-1
M 19 yr (UWM)	Cough, Fever, Myalgia	Throat Swab	12/08/05	Parainfluenza-1
M 16 mo	Infant Death	Autopsy Colon Swab	12/12/05	Adenovirus
F 8 mo	Infant Death	Autopsy Colon Swab	11/15/05	Adenovirus and echovirus-22 (now known as human parechovirus type-1)
M 24 yr	For Enterovirus	CSF/RMK cells	1/3/06	Echovirus-6
M 4 mos	For Enterovirus	CSF/MRC-5 cells	12/25/05	Echovirus-30
M 67 yr	Pneumonia	BAL/LLL BAL/LLL	01/03/06 01/03/06	Rhinovirus Rhinovirus
M 16 mo	Infant Death	Autopsy NP Swab	12/12/05	Rhinovirus
F 12 yr	A.R.D.	NP Swab/MRC- 5 cells	12/06/05	Rhinovirus
F 21 yr	S.T.D.	Fourchette Lesion	01/09/06	HSV (Type 2 CPE)

F 34 yr	S.T.D.	Labia Lesion	01/06/06	HSV (Type 2 CPE)
F 35 yr	STD	Vulva lesion	01/06/06	HSV (Type 2 CPE)
F 23 yr	Oral Lesions	Mouth Swab	01/05/06	HSV (Type 1 CPE)
M 29 yr	Penis Sore	Lesion Swab	01/04/06	HSV (Type 2 CPE)
F 36 yr	STD	Perineal Lesion	01/03/06	HSV (Type 1 CPE)

SUMMARY OF CONFIRMED VIRUS INFECTIONS
1202 - PAGE TWO
MILWAUKEE HEALTH DEPARTMENT
VIROLOGY DIVISION, G. SEDMAK, Ph.D. (414)286-3526

VIRUS ISOLATION: WEEKS OF NOVEMBER 7th THROUGH DECEMBER 6, 2005

Patient	Symptoms	Specimen	Submitted	Virus
F 30 yr	STD	R-Labial Lesion	01/02/06	HSV (Type 2 CPE)
M 20 yr	STD	Penis Shaft Lesion	12/22/05	HSV (Type 1 CPE)
F 22yr	STD	Perineal Lesion	12/21/05	HSV (Type 2 CPE)
F 44 yr	STD	Vulva Lesion	12/19/05	HSV (Type 1CPE)
F 51yr	Knee Lesion	Knee blister	12/15/05	HSV (Type 1CPE)
M 36 yr	STD	Penis Lesion Swab	12/14/05	HSV (Type 1CPE)
F 29 yr	STD	Vulva Lesion	12/13/05	HSV (Type 2 CPE)
F 17 yr	STD	Vulva lesion	12/9/05	HSV (Type 1 CPE)
M 26 yr	STD	Penis Lesion	12/9/05	HSV (Type 2 CPE)
F 17 yr	STD	Vaginal Sores	12/9/05	HSV (Type 2 CPE)
M 22 yr	STD	Penis Lesion	12/7/05	HSV (Type 2 CPE)

SEROLOGY:

Patient	Symptoms	Acute Serum Date	Viral Agent
M 82 yr	A.R.D., Back Pain	10/27/05	Mycoplasma pneumoniae CF < 8→32
F 18 yr	A.R.D.	11/23/05	Mycoplasma pneumoniae CF 64→64
F 29 yr	A.R.D.	12/16/05	Adenovirus CF 64
M 52 yr	STD Clinic; HIV Screen	12/14/05	HIV + by EIA



Gerald V. Sedmak, Ph.D.
Chief Virologist

GVS:cms