

From: City-Wide Laboratories
355 Medical Drive
Anytown, USA



To: Midcounty Health Department
276 Ebson Avenue
Anytown, USA

Blood Laboratory Report Summary

All cases show normal blood slides and blood chemistry except for:

Sarah Canter
36 Alveolar Way
Age: 53
Gender: Female
Case #: 7021

Tests show increased proportion of antibody-producing white blood cells, suggesting a viral infection. Chest X-ray recommended.

Dennis Nelson
79 Mallery Street
Age: 41
Gender: Male
Case #: 7050

Tests show small numbers of exploded red blood cells and malarial protozoans. Immediate treatment advised. Drug resistance tests recommended.

Tammy Bagley
322 Fluke Avenue
Age: 16
Gender: Female
Case #: 7040

Tests show level of hemoglobin below normal. Further clinical tests recommended.

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X-Ray Laboratory Report Summary

Sarah Canter Age: 53 Gender: Female
Address: 36 Alveolar Way
Case #: 7021
Date:
Evidence of pneumonia in lower right lung

Leo Tonga Age: 18 Gender: Male
Address: 15 Ebola Drive
Case #: 7090
Date:
3 tuberculosis lesions identified in upper right lung.
Immediate antibiotic therapy advised.

Allan Collier Age: 72 Gender: Male
Address: 27 Bronchial Blvd.
Case #: 7030
Date:
Evidence of cancer lesion in lower left lung. Biopsy recommended.

Jesse Ramirez Age: 39 Gender: Male
Address: 72 T-Cell Court
Case #: 7011
Date:
2 tuberculosis lesions identified in upper left lung.
Immediate antibiotic therapy advised.

Yon Lee Age: 29 Gender: Male
Address: 12 Viral Street
Case #: 7080
Date:
Parasitic worms found in lower lungs. Fecal analysis recommended.

Mary Wade Age: 15 Gender: Female
Address: 34 Cold Commons
Case #: 7041
Date:
Possibility of tuberculosis lesion in right lung.
Immediate TB skin test, microscope test and culture advised.

Tammy Bagley Age: 16 Gender: Female
Address: 322 Fluke Avenue
Case #: 7040
Date:
Advanced tuberculosis lesions in both lungs.
Immediate antibiotic therapy advised.

Other cases: No abnormalities seen.

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Tuberculosis Screening Skin Test Results

Mary Wade Age: 15 Gender: Female
Address: 34 Cold Commons
Case #: 7041
Date:

Tuberculosis skin test positive. X-ray, microscopic examination and culture advised.

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**Microbiology Laboratory Report:
Results of Microscopic Examination of Sputum**

Matthew Raines Age: 48 Gender: Male
Address: 29 Sputum Lane
Case#: 7001
Date:
Yeast cells evident. Culturing has already begun to identify yeast type. Expect report in 3-5 days.

Jan Barwell Age: 26 Gender: Female
Address: 4027 Bacillus Alley
Case #: 7070
Date:
Positive identification of tuberculosis bacilli. Immediate antibiotic therapy advised. Culturing of these bacteria has begun. Expect intermediate report in 4 weeks.

Esther Snider Age: 81 Gender: Female
Address: 14 Alveolar Court
Case #: 7060
Date:
Positive identification of tuberculosis bacilli. Immediate antibiotic therapy advised. Culturing of these bacteria has begun. Expect intermediate report in 4 weeks.

Tabatha Hopkins Age: 4 Gender: Female
Address: 56 Strep Street
Case #: 7020
Date:
Positive identification of tuberculosis bacilli. Immediate antibiotic therapy advised. Culturing of these bacteria has begun. Expect intermediate report in 4 weeks.

Philip Lacey Age: 48 Gender: Male
Address: 98 Antibody Road
Case #: 7031
Date:
Positive identification of tuberculosis bacilli. Immediate antibiotic therapy advised. Culturing of these bacteria has begun. Expect intermediate report in 4 weeks.

Mary Wade Age: 15 Gender: Female
Address: 34 Cold Commons
Case #: 7041
Date:
Positive identification of tuberculosis bacilli. Immediate antibiotic therapy advised. Culturing of these bacteria has begun. Expect intermediate report in 4 weeks.

Anne Nagle Age: 38 Gender: Female
Address: 35 Fever Court
Case #: 7051
Date:
Positive identification of tuberculosis bacilli. Immediate antibiotic therapy advised. Culturing of these bacteria has begun. Expect intermediate report in 4 weeks.

Carissa Tonga Age: 33 Gender: Female
Address: 15 Ebola Drive
Case #: 7010
Date:
Positive identification of tuberculosis bacilli. Immediate antibiotic therapy advised. Culturing of these bacteria has begun. Expect intermediate report in 4 weeks.



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**Microbiology Laboratory Report:
Preliminary Results of Culture Plates/Antibiotic Resistance**

Matthew Raines Age: 48 Gender: Male
Address: 29 Sputum Lane
Case#: 7001
Date:
Culture: Identified as *Cryptococcus neoformans* fungus.

Carissa Tonga Age: 38 Gender: Female
Address: 15 Ebola Drive
Case #: 7010
Date:
Culture: No growth after 4 weeks. Final report will be sent in 4 weeks.

Esther Snider Age: 81 Gender: Female
Address: 14 Alveolar Court
Case #: 7060
Date:
Culture: No growth after 4 weeks. Final report will be sent in 4 weeks.

Jan Barwell Age: 26 Gender: Female
Address: 4027 Bacillus Alley
Case #: 7070
Date:
Culture: Identified as tuberculosis bacilli colonies.

Philip Lacey Age: 48 Gender: Male
Address: 98 Antibody Road
Case #: 7031
Date:
Culture: Identified as tuberculosis bacilli colonies.

Antibiotic resistance tests:
Organism: *Mycobacterium tuberculosis*

Drug	# of Colonies	Interpretation
Control	4+	
Streptomycin	4+	Resistant
Isoniazid	4+	Resistant
Rifampin	4+	Resistant
Ethanbutol	0	Sensitive
Kanamycin	0	Sensitive

Antibiotic resistance tests:
Organism: *Mycobacterium tuberculosis*

Drug	# of Colonies	Interpretation
Control	4+	
Streptomycin	4+	Resistant
Isoniazid	4+	Resistant
Rifampin	4+	Resistant
Ethanbutol	0	Sensitive
Kanamycin	0	Sensitive

Tabatha Hopkins Age: 4 Gender: Female
Address: 56 Strep Street
Case #: 7020
Date:
Culture: No growth after 4 weeks. Final report will be sent in 4 weeks.

Anne Nagle Age: 38 Gender: Male
Address: 35 Fever Court
Case #: 7051
Date:
Culture: Identified as tuberculosis bacilli colonies.

Antibiotic resistance tests:
Organism: *Mycobacterium tuberculosis*

Mary Wade Age: 15 Gender: Female
Address: 34 Cold Commons
Case #: 7041
Date:
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Antibiotic resistance tests:
Organism: *Mycobacterium tuberculosis*

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**Microbiology Laboratory Report
Final Results
Tuberculosis Culture Plates and Antibiotic Resistance Tests**

Esther Snider Age: 81 Gender: Female
Address: 14 Alveolar Lane
Case #: 7060
Date:
Culture: Identified as tuberculosis bacilli colonies.

Antibiotic resistance tests:
Organism: Mycobacterium tuberculosis

<u>Drug</u>	<u># of Colonies</u>	<u>Interpretation</u>
Control	4+	
Streptomycin	4+	Resistant
Isoniazid	4+	Resistant
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Ethanbutol	0	Sensitive
Kanamycin	0	Sensitive

Carissa Tonga Age: 33 Gender: Male
Address: 15 Ebola Drive
Case #: 7010
Culture: Identified as tuberculosis bacilli colonies.

Antibiotic resistance tests:
Organism: Mycobacterium tuberculosis

<u>Drug</u>	<u># of Colonies</u>	<u>Interpretation</u>
Control	4+	
Streptomycin	4+	Resistant
Isoniazid	4+	Resistant
Rifampin	4+	Resistant
Ethanbutol	0	Sensitive
Kanamycin	0	Sensitive

Tabatha Hopkins Age: 4 Gender: Female
Address: 56 Strep Street
Case #: 7020
Date:
Culture: Identified as tuberculosis bacilli colonies.

Antibiotic resistance tests:
Organism: Mycobacterium tuberculosis

<u>Drug</u>	<u># of Colonies</u>	<u>Interpretation</u>
Control	4+	
Streptomycin	4+	Resistant
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