

# Washington State Tuberculosis Services and Standards Manual

## Chapter 12: Lab Services



DOH 343-228 May 2024



To request this document in another format, call 1-800-525-0127. Deaf or hard of hearing customers, please call 711 (Washington Relay) or email [doh.information@doh.wa.gov](mailto:doh.information@doh.wa.gov).

## **Contact**

Washington State Department of Health TB Program

Phone: 206-418-5500

Fax: 206-364-1060

[tbservices@doh.wa.gov](mailto:tbservices@doh.wa.gov)

## **Acknowledgements**

In addition to the multiple resources and references in the **TB Services and Standards Manual** chapters the Washington State TB Program would like to thank the [Curry International TB Center](#) and the [Alaska State TB Program](#); this manual was adapted from these two resources. The TB Program Team was involved in the initial writing and editing of this manual between 2021 and 2023.

## Table of Contents

<b>About the Washington State Tuberculosis Services and Standards Manual.....</b>	<b>4</b>
<b>Purpose .....</b>	<b>4</b>
<b>Audience .....</b>	<b>4</b>
<b>Eliminating Stigmatizing Language .....</b>	<b>4</b>
<b>How to Use This Manual.....</b>	<b>4</b>
<b>Icons.....</b>	<b>5</b>
<b>Chapter 12: Laboratory Services .....</b>	<b>7</b>
<b>Introduction.....</b>	<b>7</b>
Purpose .....	7
Policy .....	7
Glossary.....	8
<b>TB Laboratories in Washington State .....</b>	<b>11</b>
Washington State Public Health Laboratory (WAPHL) .....	11
<i>Contact Information .....</i>	<i>11</i>
Community Based Clinical Laboratories.....	12
Core / Reference Laboratories (Public and Private) .....	12
<b>Bacteriology Testing Used in Diagnosing TB Disease.....</b>	<b>13</b>
Bacteriologic Examination of Clinical Specimens .....	16
1. <i>Specimen collection for clinical samples, respiratory and extrapulmonary TB .....</i>	<i>16</i>
2. <i>AFB Smear Classification and Results.....</i>	<i>17</i>
3. <i>Direct Detection of MTB in Clinical Specimens using NAAT.....</i>	<i>17</i>
4. <i>Specimen Culture and Identification .....</i>	<i>18</i>
5. <i>Drug Susceptibility Testing (DST).....</i>	<i>19</i>
<i>DST- Examples of Results from Various Laboratories.....</i>	<i>25</i>
Follow-up Bacteriologic Examination.....	32
Legal Requirements for Lab Reporting.....	32
Genotyping.....	33
<b>Shipping your Specimens.....</b>	<b>34</b>
Shipping Instructions for using PHL Courier Service (free for LHJs) .....	34
Ground and Air Shipping.....	34
<b>Resources .....</b>	<b>36</b>