

# Quick Guide to Interpreting TB Labs in NBS

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Created: 11/30/2018 by: nedss elr\_load Updated: 11/30/2018 by: nedss elr\_load  
 Lab Report Date: 11/29/2018 Date Received by Public Health: 11/30/2018  
 Submitted by Outside Facility

**View Lab Report**

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**Patient Information** [Back to Top](#)

Name: Donald Duck

Alias:

Home Address: 10 Pond Lane  
Indianapolis, Indiana 46220

Home Phone: Ext: Work Phone: Ext:

Sex: Male Race: Unknown  
 DOB: Age:

Deceased: Death Date/Time:  
 Marital Status: Ethnicity: Unknown  
 Patient Comments: SSN:

ID Type	ID	Assigning Authority	Expiration Date
Medical record number	2.16.840.1.113883.3.2653.100		
Patient Internal Identifier	2.16.840.1.113883.3.2653.100		

**Test Results** [Back to Top](#)

Ordered Test: Mycobacterium sp identified  
 Codes: 40699-1(LN LOINC)  
 Status: Final

**Resulted Tests and Results**

**Resulted Test:** Acid fast Stn XXX  
**Result(s):** AcidFastBacterianotfound(SNOMED)

Reference Range: Interpretation: Normal Date/Time: 2018-11-30 12:29:24.0  
 Performing Facility: ISDH  
 Result Method: Facility ID: (FI)

Status: Final  
 Test Code(s): 11545-1 (LN LOINC) / ()  
 Result Code(s): 260385009 (SNM SNOMED) /  
 Result Comments:

**Order Information** [Back to Top](#)

**Facility and Provider Information**

Reporting Facility: INDIANA STATE DEPARTMENT OF HEALTH LABORATORY

Ordering Facility: MCPHD-TB General  
 6042 E 21st St  
 Indianapolis, Indiana 46219  
 317-221-7432

Ordering Provider: 6042 E 21st St  
 Indianapolis, Indiana 46219  
 317-221-7432

**Order Details**

Program Area: TB  
 Jurisdiction: MARION  
 Share record with Guests for this Program Area and Jurisdiction

**Date Specimen Collected:** 11/29/2018 08:00 AM

**Specimen Source:** Sputum  
 Specimen Site:

Accession Number: C18052560-01-P  
 Specimen Details:  
 Patient Status at Specimen Collection:  
 Pregnant:

**Lab Report Comments**

Add Comment

There is no information to display

**Other Information** [Back to Top](#)

Patient's Birth Place:  
 Multiple Birth:  
 Alternate Contact:  
 Alternate Contact Phone:  
 Alternate Contact Relationship:  
 Collection Volume: N/A  
 Clinical Information: Preliminary Result  
 Reason for Test: [N/A (Not provided (ISDH))]  
 Danger Code: N/A  
 Message Control ID: 20181130012130142547  
 Priority Code:  
 Order Comments:  
 Receiving Facility:

**Participant(s)**

title	name
There is no information to display	

**Copy to Provider(s)**

There is no information to display

**Associated Lab Document(s)**

Add Time	Version
11/30/2018 16:37	1

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The first section of data provides information about the lab electronic process and patient demographics. **Patient ID** and **Observation ID** (circled) are 2 identifiers that can be used to find the patient or lab in NBS.

Patient demographics can be found under Patient Information. This also includes IDs for the Medical Record Number, Account Number or Patient Internal Identifier (or the lab ascension number).

Lab tests and results will be displayed under Test Results Section of the lab report. The two fields that will be important to look at are **Resulted Test** and **Result(s)**. The Resulted Test will identify the specific test that was performed and the **Result(s)** will display the result of that test. Other information regarding lab date and facility is also found here.

Order Information provides information about ordering provider and facility. The section will also contain information about the **specimen collected** (circled) for the test including the type of specimen and the date it was collected. The lab ascension number can also be found here.

The Other Information section provides further demographic information about the patient and lab.

# Example of TB Labs in NBS

## Test Results Back to Top

**Ordered Test:** Mycobacterium sp identified  
**Codes:** 9825-1(LN LOINC)  
**Status:** Final

Ordered test is generic for MTB identification.

### Resulted Tests and Results

**Resulted Test:** Mycobacterium XXX Cult  
**Result(s):** Mycobacteriumtuberculosiscomplex(SNOMED)

**Reference Range:**  
**Interpretation:** Abnormal  
**Result Method:**

**Date/Time:** 2018-12-12 13:37:21.0  
**Performing Facility:** ISDH  
**Facility ID:** (FI)

**Status:** Final  
**Test Code(s):** 543-9 (LN LOINC) / ( )  
**Result Code(s):** 113858008 (SNM SNOMED) /  
**Result Comments:**

This test is for a culture growth. The culture result is positive for "Mycobacterium tuberculosis complex".

Test performed at ISDH Labs on 12/12/18.

### Resulted Tests and Results

**Resulted Test:** Acid fast Stn XXX  
**Result(s):** AcidFastBacterianotfound(SNOMED)

**Reference Range:**  
**Interpretation:** Normal  
**Result Method:**

**Date/Time:** 2018-12-03 13:37:21.0  
**Performing Facility:** ISDH  
**Facility ID:** (FI)

**Status:** Final  
**Test Code(s):** 11545-1 (LN LOINC) / ( )  
**Result Code(s):** 260385009 (SNM SNOMED) /  
**Result Comments:**

The test is an AFB stain. Result show "Acid Fast Bacteria not found."

Test performed at ISDH labs on 12/03/18.

## Order Information Back to Top

### Facility and Provider Information

**Reporting Facility:** INDIANA STATE DEPARTMENT OF HEALTH LABORATORY

**Ordering Facility:** MCPHD-TB General  
 6042 E 21st St  
 Indianapolis, Indiana 46219  
 317-221-7432

**Ordering Provider:**  
 6042 E 21st St  
 Indianapolis, Indiana 46219  
 317-221-7432

Test ordered by Marion County Health Department TB program.

### Order Details

**Program Area:** TB  
**Jurisdiction:** MARION

Share record with Guests for this Program Area and Jurisdiction

**Date Specimen Collected:** 11/30/2018 08:00 AM

**Specimen Source:** Sputum

**Specimen Site:**

**Accession Number:**

**Specimen Details:**  
**Patient Status a**  
**Specimen Collection:**  
**Pregnant:**

Test on a sputum specimen collected on 11/30/2018.

### Lab Report Comments

Add Comment

There is no information to display

**Ordered Test:** Broad information about test(s) ordered.

**Resulted Test and Results:** Detailed information for test and test results. Text may appear in **Reference Range** and may look like a result but is not, make sure to use text in **Result(s)** field.

**Facility and Provider Information:** Provides information about facility and provider

**Order details:** Provides information regarding specimen collection and source.

**Test Results** [Back to Top](#)

Ordered Test: Mycobacterium sp identified  
 Codes: 40699-1(LN LOINC)  
 Status: Final

Generic test name for TB test, ID of MTB.

**Resulted Tests and Results**

Resulted Test: M TB Cmplx Cult PCR  
 Result(s): Negative(SNOMED)

Reference Range:  
 Interpretation: Normal  
 Result Method:

Date/Time: 2018-11-29 14:03:13.0  
 Performing Facility: ISDH  
 Facility ID: (FI)

Status: Final  
 Test Code(s): ISDHTB2 (LN LOINC) / (  
 Result Code(s): 260385009 (SNM SNOMED) /  
 Result Comments:

Specific test is a PCR on a **culture**, that result is PCR negative for MTB Complex.

This test was performed at ISDH labs. On 11/29/18

**Test Results** [Back to Top](#)

Ordered Test: Mycobacterium sp identified  
 Codes: 40699-1(LN LOINC)  
 Status: Final

**Resulted Tests and Results**

Resulted Test: M TB Cmplx Specimen PCR  
 Result(s): Negative(SNOMED)

Reference Range:  
 Interpretation: Normal  
 Result Method:

Date/Time: 2018-12-04 10:16:27.0  
 Performing Facility: ISDH  
 Facility ID: (FI)

Status: Final  
 Test Code(s): ISDHTB3 (LN LOINC) / (  
 Result Code(s): 260385009 (SNM SNOMED) /  
 Result Comments:

Test is a PCR on a **raw specimen**, that result is PCR negative for MTB Complex.

This test was performed at ISDH labs. On 12/04/18

**Note:** ISDH can perform PCR on a culture or a raw specimen. The **Resulted Test** field will have a text that identifies if it is for Culture or Specimen as shown above.

**Test Results** [Back to Top](#)

Ordered Test: AFB Stain  
 Codes: 11545-1(LN LOINC)  
 Status: Final

**Resulted Tests and Results**

Resulted Test: AFB Stain(AFB Stain)  
 Result(s): AcidfastbacilliSmearPositive(SNOMED)

Reference Range:  
 Interpretation: Abnormal  
 Result Method:

Date/Time: 2018-11-29 14:35:25.0  
 Performing Facility: Columbus Reg Hosp  
 Facility ID: 15D0359622  
 (FI 2.16.840.1.113883.4.7)

Status: Final  
 Test Code(s): 11545-1 (LN LOINC) /167 (L LOCAL)  
 Result Code(s): 243365003 (SNM SNOMED) /  
 Result Comments:

**Note:** Test names can differ depending on where the test is performed. For example, this test from Columbus Regional Hospital is labeled as AFB stain and labeled as such in the Ordered Test, where as ISDH labs uses "Mycobacterium sp Identified" as Ordered Test name for their TB tests.

\*Not all lab results will come into the NBS system looking clean like the ones in this guide. There can be missing information, wrong test codes, data being inputted into the wrong fields, truncated results and other issues that may lead to a lab not being interpreted correctly. Any lab issues should be directed to the ISDH TB Program.