Adding a New Diagnostic Test to an Outside Lab Facility

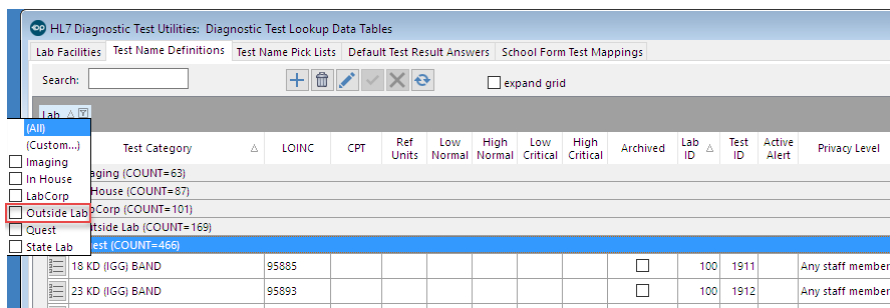Last Modified on 12/10/2019 8:39 am EST

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> **Clinical tab > More button (Customize group) > Diagnostic Tests button > Test Name Definitions tab**

In this article, you will learn how to add a new diagnostic test to an outside lab facility.

📌 **Note**: If you are interfacing with an outside lab, the lab compendium is provided to you.

1. Click the **Test Name Definitions** tab.
2. Click the **Filter** icon in the Lab drop-down menu, select the **checkbox** for the Laboratory for which you wish to add a new diagnostic test, and verify the test does not exist in the list.

Adding a new Diagnostic Test

1. Click the **Add** button ➕ . The Basic Definition tab is selected on the **Diagnostic Test Name Information**.
2. Complete the below fields:

   - **Laboratory**: Select a **Lab** from the drop-down menu.
   - **Test name**: Enter the **Name** of the test.

- **Purpose**: The Purpose chosen will effect how a test is ordered and/or resulted.
    - **Order or Result** = When choosing this purpose the test will be used at the top level to order and also a line entry for a result.
    - **Order only** = When choosing this purpose the test will be used at the top level as an order only. There will be no result line entry.
    - **Result only** = When choosing this purpose the test will be used to enter a result, typically this is used as a component of an order.
- **Category**: The Category chosen will result in where the test will appear in the patient chart.
    - **Lab** = A test labeled as an -ology (pathology, serology, etc.); chemistry.
    - **Screen** = Screen
    - **Imaging** = CT scan, MRI, Xray, ultrasound, angiography, cardiac echo
    - **Procedure** = Procedure
- **LOINC**: The test LOINC code is entered in this field.

> 💡 **Tip:** It is recommended, if you do not know the LOINC code for the lab, you may search for the LOINC code using this resource **loinc.org.** When adding a LOINC code ignore the instructions that say no hyphen. The LOINC code must be entered exactly, including the hyphen.

- **Category**: Select a **Category** from the drop-down menu.
- **Test ID**: Field is populated with the LOINC code. To change it, delete the LOINC code and enter the Test ID code in the field.
- **CPT code:** Enter the **CPT code** or use the **ellipses** button to search. The CPT code is required if billing for the diagnostic test.
- **Default DX code (Optional)**: Enter the **ICD-10 code** or click the **Search** button.
- **Result type**: Select one of the following options from the drop-down menu:
    - **String**: A string of answers can be separated by semicolons with first answer being default; can specify default normal (N) and abnormal (A) flags for each entry by adding an = sign at the end and following with N or A.
    - **Numeric**: The answer contains numbers; can be formatted like a string set.
    - **Date**: Answer is a date.
    - **Time**: Answer is a time.
    - **Text**: Answer is in text format.
    - **Coded entry**: A list of answers can be separated by semicolons with first answer being default; can specify default normal (N) and abnormal (A) flags for each entry by adding an = sign at the end and following with N or A.
- Enter **Default Result Value**.
    - The first answer in the list is the default: Negative=N; Positive=A
    - Create a drop-down list of options you must separate choices by a semicolon; **(No spaces should be within the choices).**
    - type =N after the result answer to indicate a normal value; this will result in a green background line result.
    - type =A after the result answer to indicate an abnormal value; this will result in a red

background line result.

- Select **Default visibility** - Set to Any Staff Member.

3. Click the **OK** button to save.

Adding New Tests to the Test Name Pick Lists

The Test Name Pick List is used to organize labs when adding a lab requisition through the Diagnostic Tests tab of a patient chart. This will allow you to quickly navigate to a Test Category and select from the associated labs.

1. **Clinical tab > More button (Customize group) > Diagnostic Tests**.
2. Click on the **Test Name Pick Lists** tab.
3. Click the **Activate** button and select a lab.
4. Select a category in the **Test Category** column where the lab test will be added.
5. In the **Test Name** column, click the **Add** button.
6. From the **Test Name** drop-down menu, select a diagnostic test.
7. Click the **Save** button.
8. Click the **Exit** button.

Version 14.10

In this section, you will review the process of how to add a new diagnostic test to an outside lab facility.

> ℹ️ If you are interfacing with an outside lab, the lab compendium is provided to you.

Accessing the HL7 Diagnostic Test Utilities

1. Pathway: **Utilities > Manage Clinical Features > Diagnostic Test Setup**
2. Click the **Test Name Definitions** tab.
3. Click the **Filter** icon from the **Lab** in the grouping area.
4. Click the **Laboratory** into which you wish to add a new diagnostic test, and verify that it does not have a different naming factor.

	Test Category △	LOINC	CPT	Ref Units	Low Normal	High Normal	Low Critical	High Critical	Archived	Lab ID △	Test ID	Active Alert	Privacy Level
	e (COUNT=58)												
	p (COUNT=102)												
	Lab (COUNT=12)												
	COUNT=468)												
	GG) BAND	95885							☐	100	1911		Any staff member

HL7 Diagnostic Test Utilities

Adding a new Diagnostic Test

1. Click ➕ to add a new Diagnostic Test Name. The Diagnostic Test Name Information form is displayed.
2. Select the **Laboratory** from the drop-down menu where this new test is being created.
3. Enter the **Test name**.
4. Enter the **Purpose** (Order or Result).

   - Options: Order or Result; Order only; Result only.

> ✅ **Purpose set to Order or Result:** Allows you to enter a higher level result for this test. It can result the components and then indicate the overall result impression.

5. Enter the **Category**.

> ℹ️ **Categories:** The Category selected determines how the test is labeled.
> - Lab = any test labeled as an -ology (pathology, serology, etc.); chemistry
> - Screen = Screen
> - Imaging = CT scan, MRI, Xray, ultrasound, angiography, cardiac echo
> - Procedure = Procedure

6. Create **LOINC** code: Use the Test ID issued by lab in this field. (May not exceed 7 characters.) If there is no Test ID, a user created code must begin with an X.
7. Tab to the **Test ID** field, this populates the Test ID field with a code identical to the LOINC code, or you can manually enter it in this field.
8. Enter **ICD-10 Code** (only if it will always be the same).
9. Select a **Result type** from the drop-down menu:

   - **String**: A string of answers can be separated by semicolons with first answer being default; can specify default normal (N) and abnormal (A) flags for each entry by adding an = sign at the end and following with N or A.
   - **Numeric**: The answer contains numbers; can be formatted like a string set.
   - **Date**: Answer is a date.
   - **Time**: Answer is a time.

- **Text**: Answer is in text format.
- **Coded entry:** A list of answers can be separated by semicolons with first answer being default; can specify default normal (N) and abnormal (A) flags for each entry by adding an = sign at the end and following with N or A.

10. Enter the **Default Result Value**.

- The first answer in the list is the default: Negative=N; Positive=A
- To create a drop-down list of options you must separate choices by a semicolon; **(No spaces should be within the choices).**
- Enter=N after the result answer to indicate a normal value; this will result in a green background line result.
- Enter =A after the result answer to indicate an abnormal value; this will result in a red background line result.

11. Select **Default visibility** - Set to Any Staff Member.
12. Click the **OK** button to save.

Creating the results template for the test

1. Access HL7 Diagnostic Test Utilities using the same steps as above.
2. Click [+] to add a new Diagnostic Test Name. The Diagnostic Test Name Information form is displayed.
3. Using the directions from above fill out the fields to create Results for each component associated with the test.

> ⚠ **Note**: The Purpose is Result Only.

Adding the Results Template to the test

1. Click the **Access** button [≣] in line with the test name to open the window.
2. Click the **Result Template** tab.
3. Click the **Green Plus** button [+].
4. Select the **desired result** from the drop-down menu. Repeat this step to add in all the desired result options. The sort order can be changed by just changing the number.
5. Click the **OK** button to save.

Adding New Tests Into Drop-Down Lists (Pick Lists)

1. Pathway: **Utilities > Manage Clinical Features > Diagnostic Test Setup**
2. Click the third tab, **Test Name Pick Lists**.
3. Click **Activate**.
4. Select **Laboratory** in the Test Facility column by clicking the lab name.

5. In the Test Category column, click the **Category** for the newly created diagnostic test.

6. In the **Test Name** column, click the **Green Plus** button at the bottom to add another row and search for the diagnostic test you just created.

7. In the blank field for Test Name, start entering the name of the test you are adding and select it from the drop-down menu.

8. Click **Green Checkmark** button at the bottom to save.

9. Click the **X** button in the upper right corner to close.

The same process can be used when adding Screening Tests, Imaging or Procedures.