# Test Criteria: 170.315.a.2 – Computerized Provider Order Entry (CPOE) - Laboratory

|  |  |
| --- | --- |
| **Testing Result** |  |
| Participant and Product-with-version |  |
| Setting (Ambulatory or Inpatient) |  |
| Test Proctor |  |
| Test Date |  |
| Test Result | Pass:  Fail:  No Attempt: |
| Error Description (if applicable) |  |
| Modifications to Product Under Test |  |
| Additional Software Used |  |
| Additional Proctor Notes |  |

### Overview

In this document you will find:

* [Test Data and Test Tools](#_Test_Data_and)
* [Standards Support](#_Demonstrate_Standards_Support)
* [Drummond Test Report (Instructions, Expected Results, Points to Remember)](#_170.315(a)(2)(i)_Record,_Change,)
* [Test Procedures](#_Test_Procedures)
* [Appendix A: Testing Guide](#_Appendix_A:_Testing)
* [Appendix B: ONC Criteria](#_Appendix_B:_ONC)

### Version of ONC Test Method

1.0

### Scope of Proctoring Sheet

The ONC test method associated with this criterion is the only approved test method for EHR Meaningful Use certification. This Proctoring Sheet is not a replacement test method but a test procedure document for performing the ONC test method and recording the results. Proctoring Sheet describe test data, test criteria and expected results. It is assumed the Health IT Developer or Participant Under Test is familiar with the associated ONC test method.

# Robustness and Reliability Requirement

To satisfy the module criteria, it is expected that the Product-Under-Test is able to complete the testing requirements reliably, including repeat testing with the same result without error, and with a satisfactory level of robustness. This includes unexpected error messages produced through normal operation, multiple unintended restarts of the application or any other “buggy” facets of the product displayed while testing. These errors are record in the Additional Proctor Notes of the proctor sheet. Lack of reliability and robustness of design will result in failure of the module.

# Test Data and Tools

|  |  |
| --- | --- |
| **Test Data Source:** | ONC-Supplied  DG-Supplied:  Developer-Supplied: |
| **Pre-Test Data Setup:**  Not applicable. | |
| **Test Data:**  DG-supplied laboratory test data provided within this proctor sheet or health IT developer may opt to use own data. If supplying own data, notify Test Proctor before test event. | |
| **Test Tools:**  Not applicable. | |

# Demonstrate Standards Support

|  |  |
| --- | --- |
| **Test Result:** | PASS:  FAIL:  No Attempt: |
| **Instructions:** There are no standards required for this criterion. | |

# 170.315(a)(2)(i) Record, Change, and Access Laboratory Order

# 170.315(a)(2)(ii) Include “Reason for Order” Field (Optional)

|  |  |
| --- | --- |
| **Test Result:** | PASS:  FAIL:  No Attempt: |
| **Optional Field Included?** | YES:  NO: |
| **Instructions:**   * The user electronically records a patient’s laboratory order. * The user *optionally* includes the “reason for order” field as part of the laboratory order. * The user changes the laboratory order previously recorded. * The user can access the patient’s laboratory order(s). | |
| **Expected Test Result:**   * The user can record, change, and access a patient’s laboratory order. * The laboratory order optionally includes a “reason for order” field. | |
| **Points to Remember:**   * This module is eligible for gap certification. * Health IT Developer may substitute laboratory test data upon prior notice and approval by Drummond Group. * LOINC codes are not required but provided for reference. * ONC regulation is not prescriptive about the method used to change the order. For example, changing an order does not require modifying an existing instance of an order, but may be accomplished by discontinuing or canceling an existing order and recording a new order. * ONC regulation does not focus on the transmission of laboratory orders, only on the ability of a user to record, access, and change the laboratory order. * It is *not* mandatory that the health IT allow a user to include a “reason for order” field; it is optional. The developer has the discretion to determine how to implement this optional provision (e.g., free text field or drop-down menu of pre-determined entries). | |

### Test Procedures

**1.1 Record CPOE Laboratory Orders**

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| --- | --- |
|  | User records laboratory orders as follows:  Ambulatory Setting:   * Cholesterol in HDL in serum or plasma; LOINC code: 2085-9   Inpatient Setting:   * Gas panel in arterial blood; LOINC code: 24336-0 |
|  | *Optional*: Developer-supplied “Reason for order” field. |

<INSERT SCREEN SHOTS>

**1.2 Change CPOE Laboratory Orders**

|  |  |
| --- | --- |
|  | User changes laboratory orders (highlighted in **bold**):  Ambulatory Setting:   * Cholesterol in **LDL** in serum or plasma **by direct assay**; LOINC code: **18262-6**   Inpatient Setting:   * Gas **& carbon monoxide** panel in arterial blood; LOINC code: **24341-0** |
|  | *Optional*: Developer-supplied “Reason for order” field. |

<INSERT SCREEN SHOTS>

**1.3 Access CPOE Laboratory Orders**

|  |  |
| --- | --- |
|  | User accesses laboratory orders:  Ambulatory Setting:   * Cholesterol in LDL in serum or plasma by direct assay; LOINC code: 18262-6   Inpatient Setting:   * Gas & Carbon monoxide panel in arterial blood; LOINC code: 24341-0 |
|  | *Optional*: Developer-supplied “Reason for order” field. |

<INSERT SCREEN SHOTS>

# Appendix A: Testing Guide

*This appendix contains more details and background on the testing requirements, including explanation on underlying standards, notable issues and best practice suggestions.*

Rev 01-Mar-2016 Additions

* <NONE>

# Appendix B: ONC Criteria and Standards

*This appendix contains copy of the relevant ONC criteria and standards for this proctor sheet as a reference. In the event of a discrepancy with the ONC Final Rule, the ONC Final Rule takes precedence.*

**§170.315(a)(2) Computerized provider order entry – laboratory.**

1. Enable a user to record, change, and access laboratory orders.
2. Optional. Include a “reason for order” field.

# Change Log

|  |  |
| --- | --- |
| Revision | Change Description |
| 01-Mar-2016 | Initial Release |
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**About Drummond Group LLC**

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