

Centers for Disease Control and
Prevention (CDC)

National Center for Environmental Health
(NCEH)

Division of Laboratory Sciences (DLS)

**NEWBORN SCREENING AND
MOLECULAR BIOLOGY BRANCH
(NSMBB)**

**NEWBORN SCREENING QUALITY
ASSURANCE PROGRAM (NSQAP)
PORTAL**

**LSDPT PILOT PARTICIPANT
GUIDE**

May 2024

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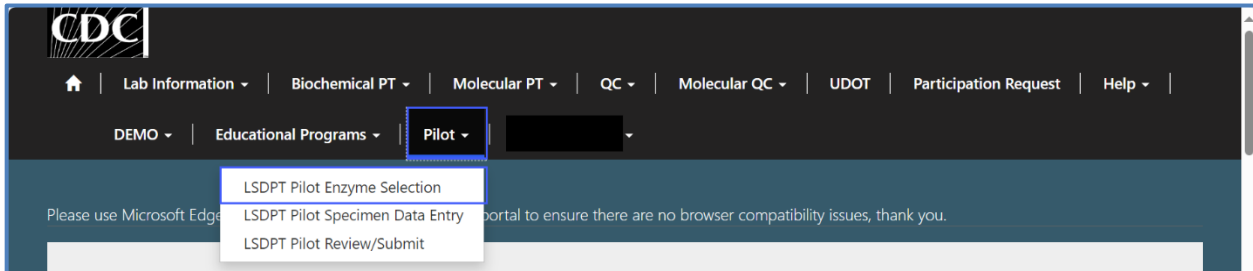
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1. LSDPT Pilot Program Enzyme, Method, and Cutoff Entry Page

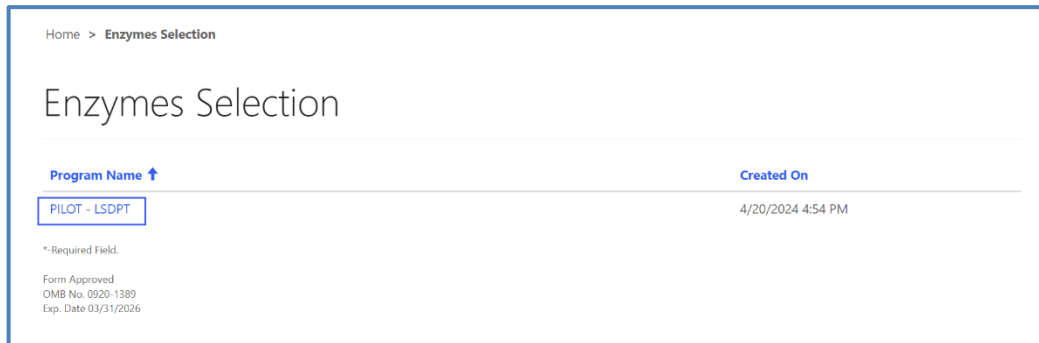
1.1 Navigation

To enter and save LSDPT data, navigate to the LSDPT program entry page. Access the page from the 'LSDPT Pilot Enzyme Selection' option on the Pilot drop-down menu.

1. Click '**Pilot**' then '**LSDPT Pilot Enzyme Selection**' from the drop-down menu.



2. Select '**PILOT - LSDPT**' to navigate to the entry page.



3. User will be directed to the LSDPT Pilot **Enzyme, Method, and Cutoff** entry page to select **Enzymes** and enter **Method** and **Cutoff** data. Required fields are indicated with an asterisk(*).

Home > Setup - Enzyme(s), Method(s) and Cutoff(s)

Setup - Enzyme(s), Method(s) and Cutoff(s)

Select the enzyme(s) you want to report, method(s), and give the cutoff for each enzyme. Report LSD data to two decimal places. e.g., (X.XX)

LSD

<input type="checkbox"/> Enzyme	Cutoff ($\mu\text{mol/hr/L}$)	Method
<input type="checkbox"/> Acid beta-glucosidase (ABG)	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Acid sphingomyelinase (ASM)	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Acid alpha-glucosidase (GAA)	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Galactoceramidase (GALC)	<input type="text"/>	<input type="text"/>

1.2 Entering Enzyme, Method, and Cutoff Information

From the 'Setup – Enzyme(s), Method(s) and Cutoff(s)' page, enter the Enzyme, Method, and Cutoff information. Navigation details can be found in Section 1.1.

1. For each enzyme a User wants to report, select the checkmark before that enzyme's name.

Setup - Enzyme(s), Method(s) and Cutoff(s)

Select the enzyme(s) you want to report, method(s), and give the cutoff for each enzyme. Report LSD data to two decimal places. e.g., (X.XX)

LSD

<input type="checkbox"/> Acid beta-glucosidase (ABG)	Cutoff ($\mu\text{mol/hr/L}$)	Method
<input type="checkbox"/> Acid sphingomyelinase (ASM)	Cutoff ($\mu\text{mol/hr/L}$)	Method
<input type="checkbox"/> Acid alpha-glucosidase (GAA)	Cutoff ($\mu\text{mol/hr/L}$)	Method
<input type="checkbox"/> Galactoceramidase (GALC)	Cutoff ($\mu\text{mol/hr/L}$)	Method
<input type="checkbox"/> Alpha-galactosidase A (GLA)	Cutoff ($\mu\text{mol/hr/L}$)	Method
<input type="checkbox"/> Alpha-L-iduronidase (IDUA)	Cutoff ($\mu\text{mol/hr/L}$)	Method
<input type="checkbox"/> Iduronate-2-Sulfatase (I2S)	Cutoff ($\mu\text{mol/hr/L}$)	Method

I verify that I reviewed the values above.

- For each selected enzyme, enter the cutoff for that enzyme. Values should be entered to two decimal places.

Setup - Enzyme(s), Method(s) and Cutoff(s)

Select the enzyme(s) you want to report, method(s), and give the cutoff for each enzyme. Report LSD data to two decimal places. e.g., (X.XX)

LSD

<input type="checkbox"/> Acid beta-glucosidase (ABG)	Cutoff (µmol/hr/L) <input style="width: 100%;" type="text"/>	Method <input style="width: 90%;" type="text"/> <input style="width: 5%; text-align: center; border: 1px solid #0056b3; border-radius: 3px; font-size: 0.8em; cursor: pointer;"/> Q
<input type="checkbox"/> Acid sphingomyelinase (ASM)	Cutoff (µmol/hr/L) <input style="width: 100%;" type="text"/>	Method <input style="width: 90%;" type="text"/> <input style="width: 5%; text-align: center; border: 1px solid #0056b3; border-radius: 3px; font-size: 0.8em; cursor: pointer;"/> Q
<input type="checkbox"/> Acid alpha-glucosidase (GAA)	Cutoff (µmol/hr/L) <input style="width: 100%;" type="text"/>	Method <input style="width: 90%;" type="text"/> <input style="width: 5%; text-align: center; border: 1px solid #0056b3; border-radius: 3px; font-size: 0.8em; cursor: pointer;"/> Q
<input type="checkbox"/> Galactoceramidase (GALC)	Cutoff (µmol/hr/L) <input style="width: 100%;" type="text"/>	Method <input style="width: 90%;" type="text"/> <input style="width: 5%; text-align: center; border: 1px solid #0056b3; border-radius: 3px; font-size: 0.8em; cursor: pointer;"/> Q
<input type="checkbox"/> Alpha-galactosidase A (GLA)	Cutoff (µmol/hr/L) <input style="width: 100%;" type="text"/>	Method <input style="width: 90%;" type="text"/> <input style="width: 5%; text-align: center; border: 1px solid #0056b3; border-radius: 3px; font-size: 0.8em; cursor: pointer;"/> Q
<input type="checkbox"/> Alpha-L-iduronidase (IDUA)	Cutoff (µmol/hr/L) <input style="width: 100%;" type="text"/>	Method <input style="width: 90%;" type="text"/> <input style="width: 5%; text-align: center; border: 1px solid #0056b3; border-radius: 3px; font-size: 0.8em; cursor: pointer;"/> Q
<input type="checkbox"/> Iduronate-2-Sulfatase (I2S)	Cutoff (µmol/hr/L) <input style="width: 100%;" type="text"/>	Method <input style="width: 90%;" type="text"/> <input style="width: 5%; text-align: center; border: 1px solid #0056b3; border-radius: 3px; font-size: 0.8em; cursor: pointer;"/> Q

I verify that I reviewed the values above.

- For each selected enzyme, select the method used by clicking the magnifying glass icon in the **Method** field to open the method selector.

Setup - Enzyme(s), Method(s) and Cutoff(s)

Select the enzyme(s) you want to report, method(s), and give the cutoff for each enzyme. Report LSD data to two decimal places. e.g., (X.XX)

LSD

<input type="checkbox"/> Acid beta-glucosidase (ABG)	Cutoff (µmol/hr/L)	Method <input type="text" value=""/>
<input type="checkbox"/> Acid sphingomyelinase (ASM)	Cutoff (µmol/hr/L)	Method <input type="text" value=""/>
<input type="checkbox"/> Acid alpha-glucosidase (GAA)	Cutoff (µmol/hr/L)	Method <input type="text" value=""/>
<input type="checkbox"/> Galactoceramidase (GALC)	Cutoff (µmol/hr/L)	Method <input type="text" value=""/>
<input type="checkbox"/> Alpha-galactosidase A (GLA)	Cutoff (µmol/hr/L)	Method <input type="text" value=""/>
<input type="checkbox"/> Alpha-L-iduronidase (IDUA)	Cutoff (µmol/hr/L)	Method <input type="text" value=""/>
<input type="checkbox"/> Iduronate-2-Sulfatase (I2S)	Cutoff (µmol/hr/L)	Method <input type="text" value=""/>

I verify that I reviewed the values above.

- With the method selector open, click on a method name to choose a method, then click **Select**.

Lookup records
✕

Choose one record and click Select to continue

<input checked="" type="checkbox"/>	Method Name ↑
<input type="checkbox"/>	Digital Microfluidic Fluorescence
<input type="checkbox"/>	Flow Injection Analysis (FIA) - MS/MS non-derivitized non-kit
<input type="checkbox"/>	Flow Injection Analysis (FIA)-MS/MS multiplexed enzyme reaction
<input type="checkbox"/>	Flow Injection Analysis (FIA)-MS/MS non-kit individual enzyme reaction
<input type="checkbox"/>	Fluorometric manual LSD - non-kit
<input type="checkbox"/>	LC-MS/MS non-kit
<input type="checkbox"/>	LC-MS/MS positive ion mode

Select
Cancel
Remove value

- For each selected Enzyme, if 'Other' is selected Users are **required** to enter the other method used in the **Other Method** text entry field.

LSD

acid beta-glucosidase (ABG)

Cutoff (µmol/hr/L)

Method

Other Method *

- When all enzymes to be reported have been selected, and Cutoff and Method have been entered, verify the values are correct and then select the checkbox next to **I verify that I reviewed the values above.** Then click **Save and Set Values.**

I verify that I reviewed the values above.

SAVE AND SET VALUES

*-Required Field.

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- After Saving and Setting values, a green message will appear letting the User know that their entries have been **Saved.**

Home > Setup - Enzyme(s), Method(s) and Cutoff(s)

Setup - Enzyme(s), Method(s) and Cutoff(s)

Select the enzyme(s) you want to report, method(s), and give the cutoff for each enzyme. Report LSD data to two decimal places. e.g., (X.XX)

Saved

*-Required Field.

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NOTE: The data entry page can be saved and re-saved as many times as needed, but each new save will overwrite the previous save(s). Returning to re-enter enzyme(s), method(s) and cutoff(s) will reset any already entered data.

8. If the User attempts to save the form without entering **all required fields**, they will receive an error message. Complete the missing fields and click **'Save'** again.



Home > Setup - Enzyme(s), Method(s) and Cutoff(s)

Setup - Enzyme(s), Method(s) and Cutoff(s)

Select the enzyme(s) you want to report, method(s), and give the cutoff for each enzyme. Report LSD data to two decimal places. e.g., (X.XX)

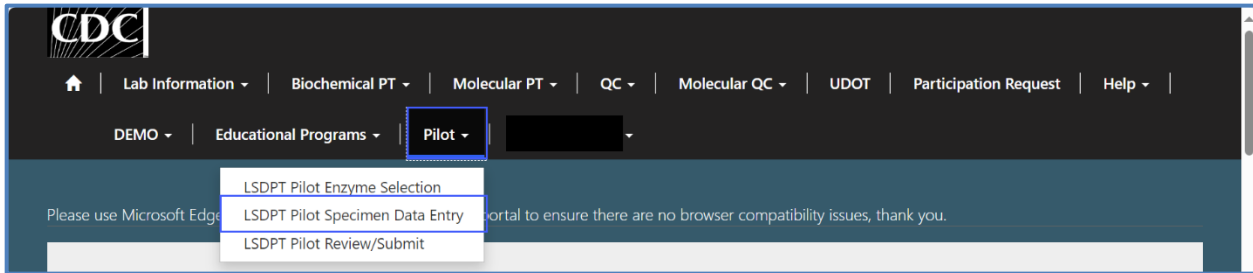
The form could not be submitted for the following reasons:
Method is a required field.

2. LSDPT Pilot Specimen Data Entry Page

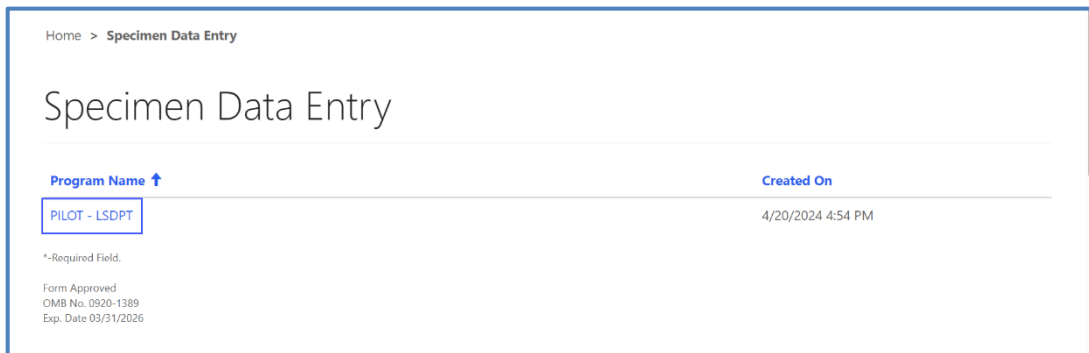
2.1 Navigation

Review and save LSDPT Pilot specimen data after Enzymes, Methods and Cutoffs have been entered and saved (see Section 1). Access the review/save page via the **'LSDPT Pilot Specimen Data Entry'** option on the **Pilot** drop-down menu.

1. Select **'Pilot'** then **'LSDPT Pilot Specimen Data Entry'** from the drop-down menu.



2. The LSDPT Pilot Specimen Data Entry landing page will appear. Select **'PILOT – LSDPT'** to navigate to the data entry page.



3. User will be directed to the LSDPT Pilot **Specimen List** page to input data.

Home > Specimen List

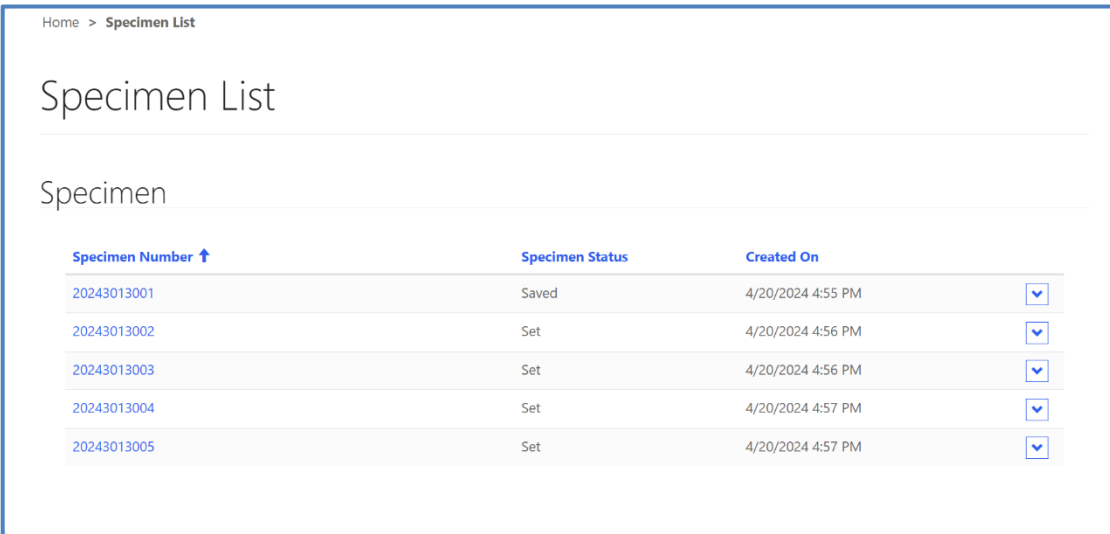
Specimen List

Specimen

Specimen Number ↑	Specimen Status	Created On	
20243013001	Saved	4/20/2024 4:55 PM	▼
20243013002	Set	4/20/2024 4:56 PM	▼
20243013003	Set	4/20/2024 4:56 PM	▼
20243013004	Set	4/20/2024 4:57 PM	▼
20243013005	Set	4/20/2024 4:57 PM	▼

2.2 Data Entry

1. From the page titled 'Specimen List' the User can enter LSDPT pilot program results for each specimen. Navigation details can be found in Section 2.1.



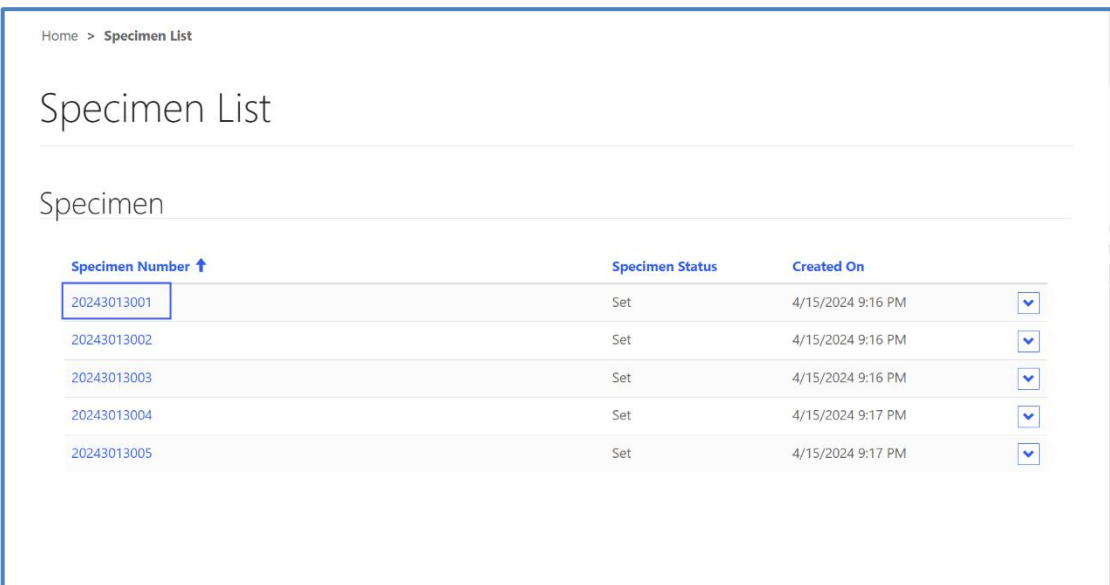
Home > Specimen List

Specimen List

Specimen

Specimen Number ↑	Specimen Status	Created On	
20243013001	Saved	4/20/2024 4:55 PM	▼
20243013002	Set	4/20/2024 4:56 PM	▼
20243013003	Set	4/20/2024 4:56 PM	▼
20243013004	Set	4/20/2024 4:57 PM	▼
20243013005	Set	4/20/2024 4:57 PM	▼

2. Select a specimen from the **Specimen List** to enter data for that specimen.



Home > Specimen List

Specimen List

Specimen

Specimen Number ↑	Specimen Status	Created On	
20243013001	Set	4/15/2024 9:16 PM	▼
20243013002	Set	4/15/2024 9:16 PM	▼
20243013003	Set	4/15/2024 9:16 PM	▼
20243013004	Set	4/15/2024 9:17 PM	▼
20243013005	Set	4/15/2024 9:17 PM	▼

3. A **Data Entry** page will display with all the enzymes selected in the previous form.

Home > Data Entry

Data Entry

Acid beta-glucosidase (ABG)

Method *	Cutoff (µmol/hr/L)
LC-MS/MS non-kit	1.00
Method Other	
—	

Specimen Number	Result (µmol/hr/L)	Clinical Assessment *
20243013001	<input type="text"/>	<input type="text" value=""/>

- For each Enzyme, the information previously entered for **Method**, **Cutoff**, and **Method Other** (if provided) will be prefilled, and the selected **Specimen Number** will display.

Home > Data Entry

Data Entry

Acid beta-glucosidase (ABG)

Method *
LC-MS/MS non-kit

Method Other
—

Specimen Number
20243013001

Cutoff (µmol/hr/L)
1.00

Result (µmol/hr/L)

Clinical Assessment *

- For each enzyme, enter the value in the **Result** field, and select an answer from the **Clinical Assessment** dropdown menu.

Home > Data Entry

Data Entry

Acid beta-glucosidase (ABG)

Method *
LC-MS/MS non-kit

Method Other
—

Specimen Number
20243013001

Cutoff (µmol/hr/L)
1.00

Result (µmol/hr/L)

Clinical Assessment *

NOTE: The Result data is recorded to 2 decimal places. Values with fewer than 2 decimals may be entered, but ending zeros will be appended to the saved data.

6. When all the information is complete, select **Save Data** at the bottom of the page.

Alpha-L-iduronidase (IDUA)

Method *		Cutoff (µmol/hr/L)
LC-MS/MS non-kit		1.30
Method Other		
—		
Specimen Number	Result (µmol/hr/L)	Clinical Assessment *
20243013001	<input type="text"/>	<input type="text"/>

Iduronate-2-Sulfatase (I2S)

Method *		Cutoff (µmol/hr/L)
LC-MS/MS non-kit		1.00
Method Other		
—		
Specimen Number	Result (µmol/hr/L)	Clinical Assessment *
20243013001	<input type="text"/>	<input type="text"/>

Save Data

*-Required Field.

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7. When the data has been successfully saved, a **Saved** banner will display.

Home > Data Entry

Data Entry

Saved X

*-Required Field.

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8. Return to the **Specimen** page. Navigation details can be found in Section 2.1. The specimen for which data has been entered will show as **Saved**.

Specimen

Specimen Number ↑	Specimen Status	Created On	
20243013001	Saved	4/15/2024 9:16 PM	▼
20243013002	Set	4/15/2024 9:16 PM	▼
20243013003	Set	4/15/2024 9:16 PM	▼
20243013004	Set	4/15/2024 9:17 PM	▼
20243013005	Set	4/15/2024 9:17 PM	▼

Submit

9. Repeat steps 2-8 until data has been saved for all specimens.

Specimen List

Specimen

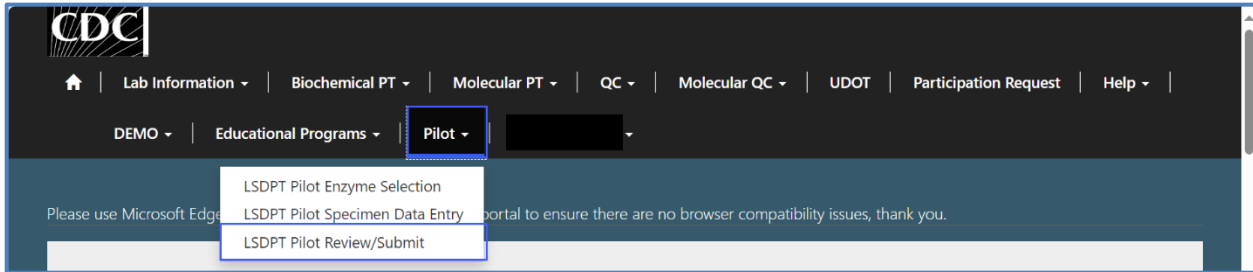
Specimen Number ↑	Specimen Status	Created On	
20243013001	Saved	4/15/2024 9:16 PM	▼
20243013002	Saved	4/15/2024 9:16 PM	▼
20243013003	Saved	4/15/2024 9:16 PM	▼
20243013004	Saved	4/15/2024 9:17 PM	▼
20243013005	Saved	4/15/2024 9:17 PM	▼

3. LSDPT Pilot Review/Submit Page

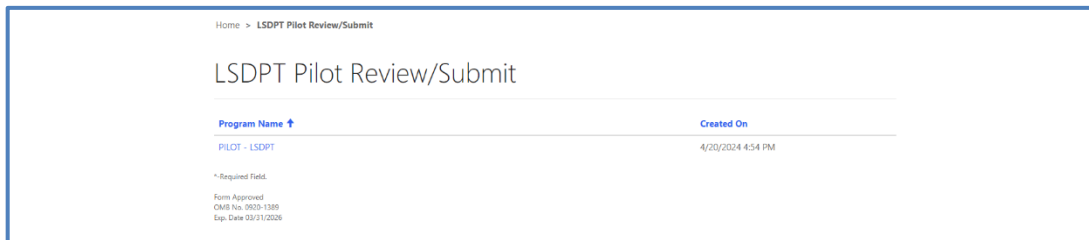
3.1 Navigation

Review and submit LSDPT specimen data after Enzymes, Methods and Cutoffs have been entered and saved (see Section 1) and Specimen data has been entered for each specimen (see Section 2). Access the review/submit page via the **'LSDPT Pilot Review/Submit'** option on the **Pilot** drop-down menu.

1. Select **'Pilot'** then **'LSDPT Pilot Review/Submit'** from the drop-down menu.



2. The LSDPT Pilot Review/Submit landing page will appear. Select **'PILOT – LSDPT'** to navigate to the Review/Submit page.



3. User will be directed to the LSDPT Pilot Review/Submit page to review their data and submit it.

Home > LSDPT Pilot Review and Submit

LSDPT Pilot Review and Submit

Program Name *
PILOT - LSDPT

RESULTS

[Download](#)

Specimen Number ↑	gba_method_alu	gba_method_other_alu	gba_cutoff	Gba Result	Gaugher Assessment	asm_method_alu	asm_method_other_alu	asm_cutof
20243013001								
20243013002								
20243013003								
20243013004								
20243013005								

◀

▶

Specimen

Specimen Number ↑	Specimen Status	Created On
20243013001	Set	4/20/2024 4:55 PM
20243013002	Set	4/20/2024 4:56 PM
20243013003	Set	4/20/2024 4:56 PM
20243013004	Set	4/20/2024 4:57 PM
20243013005	Set	4/20/2024 4:57 PM

*Required Field.

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3.2 Review/Submit

1. From the page titled 'LSDPT Pilot Review/Submit', the User can review their entered LSDPT pilot program results and submit them. Navigation details can be found in Section 3.1.

Home > LSDPT Pilot Review and Submit

LSDPT Pilot Review and Submit

Program Name *
PILOT - LSDPT

RESULTS

Download

Specimen Number ↑	gba method alu	gba method other alu	gba cutoff	Gba Result	Assessment	Gaugher	asm method alu	asm method other alu	asm cutoff
20243013001									
20243013002									
20243013003									
20243013004									
20243013005									

◀ ▶

Specimen

Specimen Number ↑	Specimen Status	Created On
20243013001	Set	4/20/2024 4:55 PM
20243013002	Set	4/20/2024 4:56 PM
20243013003	Set	4/20/2024 4:56 PM
20243013004	Set	4/20/2024 4:57 PM
20243013005	Set	4/20/2024 4:57 PM

* - Required Field.

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2. The RESULTS Section displays the User-entered data for each specimen.

RESULTS

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Specimen Number ↑	Gba			Gaucher				
	gba_method_alu	gba_method_other_alu	gba_cutoff	Gba_Result	Assessment	asm_method_alu	asm_method_other_alu	asm_cutoff
20243013001	LC-MS/MS non-kit		1.00	5.00	Within Normal Limits	LC-MS/MS non-kit		1.00
20243013002	LC-MS/MS non-kit		1.00	1.00	Outside Normal Limits	LC-MS/MS non-kit		1.00
20243013003	LC-MS/MS non-kit		1.00		Outside Normal Limits	LC-MS/MS non-kit		1.00
20243013004	LC-MS/MS non-kit		1.00		Outside Normal Limits	LC-MS/MS non-kit		1.00
20243013005	LC-MS/MS non-kit		1.00		Within Normal Limits	LC-MS/MS non-kit		1.00

3. Users can utilize the horizontal scroll bar to see all the data for a given specimen.

RESULTS

[Download](#)

Specimen Number ↑	Gba			Gaucher				
	gba_method_alu	gba_method_other_alu	gba_cutoff	Gba_Result	Assessment	asm_method_alu	asm_method_other_alu	asm_cutoff
20243013001	LC-MS/MS non-kit		1.00	5.00	Within Normal Limits	LC-MS/MS non-kit		1.00
20243013002	LC-MS/MS non-kit		1.00	1.00	Outside Normal Limits	LC-MS/MS non-kit		1.00
20243013003	LC-MS/MS non-kit		1.00		Outside Normal Limits	LC-MS/MS non-kit		1.00
20243013004	LC-MS/MS non-kit		1.00		Outside Normal Limits	LC-MS/MS non-kit		1.00
20243013005	LC-MS/MS non-kit		1.00		Within Normal Limits	LC-MS/MS non-kit		1.00

- A copy of all entered data can be downloaded by clicking the **Download** button in the upper right corner of the Results Section.

RESULTS

[Download](#)

Specimen Number ↑	gba_method_alu	gba_method_other_alu	gba_cutoff	Gba_Result	Gaucher Assessment	asm_method_alu	asm_method_other_alu	asm_cutof
20243013001	LC-MS/MS non-kit		1.00	5.00	Within Normal Limits	LC-MS/MS non-kit		1.00
20243013002	LC-MS/MS non-kit		1.00	1.00	Outside Normal Limits	LC-MS/MS non-kit		1.00
20243013003	LC-MS/MS non-kit		1.00		Outside Normal Limits	LC-MS/MS non-kit		1.00
20243013004	LC-MS/MS non-kit		1.00		Outside Normal Limits	LC-MS/MS non-kit		1.00
20243013005	LC-MS/MS non-kit		1.00		Within Normal Limits	LC-MS/MS non-kit		1.00

- When User is satisfied with the entered data, clicking the **Submit** button at the bottom of the page will submit the data for the lab.

[Submit](#)

*-Required Field.

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- Data has been successfully submitted when a green **Submission completed successfully** message is displayed.

Submission completed successfully. X

*-Required Field.

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