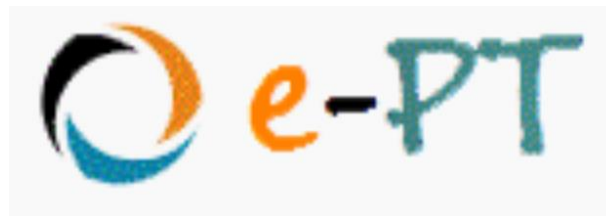


CDC Xpert MTB/RIF Performance Evaluation Program Participant Guide to Result Submission with ePT

TB Module developed by SystemOne



What is ePT?

- ePT is an online performance evaluation (PE) data management system
- ePT uses online and/or mobile applications to collect and manage Xpert MTB/RIF PE program data

ePT Responsibilities for Participating Xpert MTB/RIF PE Testing Sites

- Log in to the ePT system as a participant
- Input PE panel results via a computer connected to the internet or the smart phone ePT mobile application
- View results submitted by your site

ePT Responsibilities for the National TB EQA Program

- Log in to the ePT system as a sub-administrator
- Utilize ePT to monitor:
 - site panel receipt
 - program participation and result reporting
- Investigate unexpected/unsuccessful results for corrective action(s).
- View Xpert MTB/RIF performance evaluation panel statistics for entire country

Enrollment

- All GeneXpert testing sites enrolled with CDC Xpert MTB/RIF PE Program are enrolled in ePT
- Three rounds of PE panel testing are scheduled for 2017 and two rounds for 2018

Entering Results Using ePT

- Results must be entered and submitted by each participating testing site before the panel due date for each round of testing

Requirements

- Web Platform: Computer connected to the internet


OR


- Mobile Platform: Smart phone (android or apple) connected to mobile network to download the free ePT mobile application


Accessing the ePT Web Platform For Participants

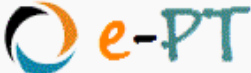
- Logging In
 - In your browser, navigate to <http://ept.systemone.id>
 - Click on **Participant Login** on the top right corner of the screen

Accessing the ePT Web Platform: Login


ePT


Request for PT Enrollment


Participant Login



Test Instance For Various PT Schemes

Click here for Participant Login

Request for PT Enrollment

Welcome to [] Program!

Proficiency Testing enable laboratories to assess their performance in conducting test methods within their own laboratories when their data are compared against other laboratories that participate in the same program.

Publications

- [EQA PT Programs - EID VL](#)
- [Ramos et al CDC DTS VL PT JVM 2013](#)
- [Garcia et al - CDC EID PT Program JCM 2014](#)
- [Nguyen et al - CDC VL PT using DTS - JCM 2015](#)

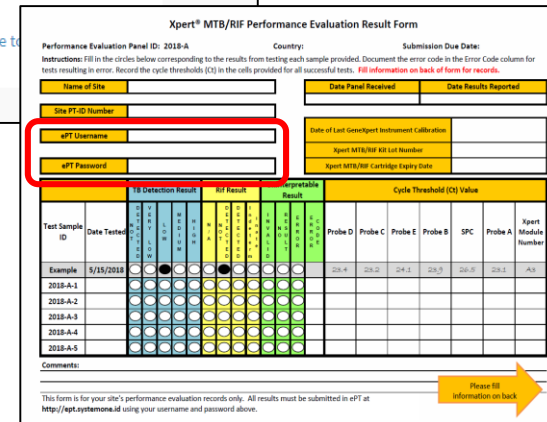
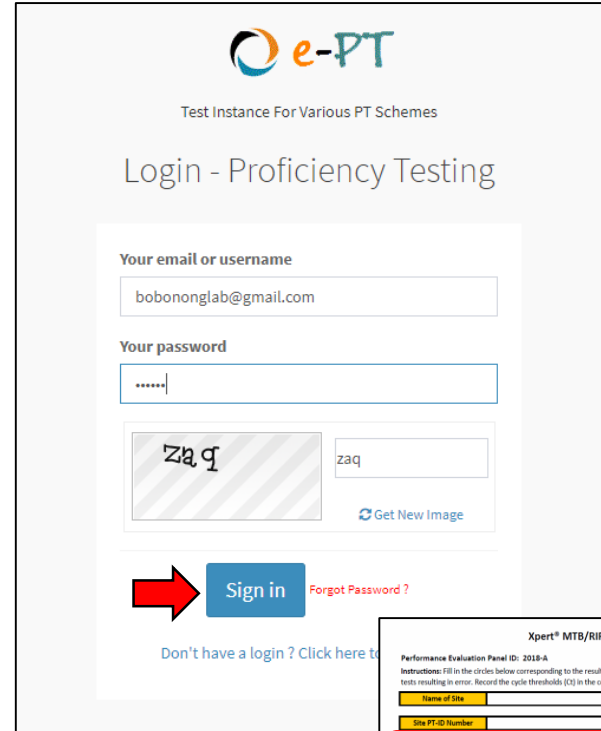
What Can We Do For You Through PT Program?

Training

Participation in PT

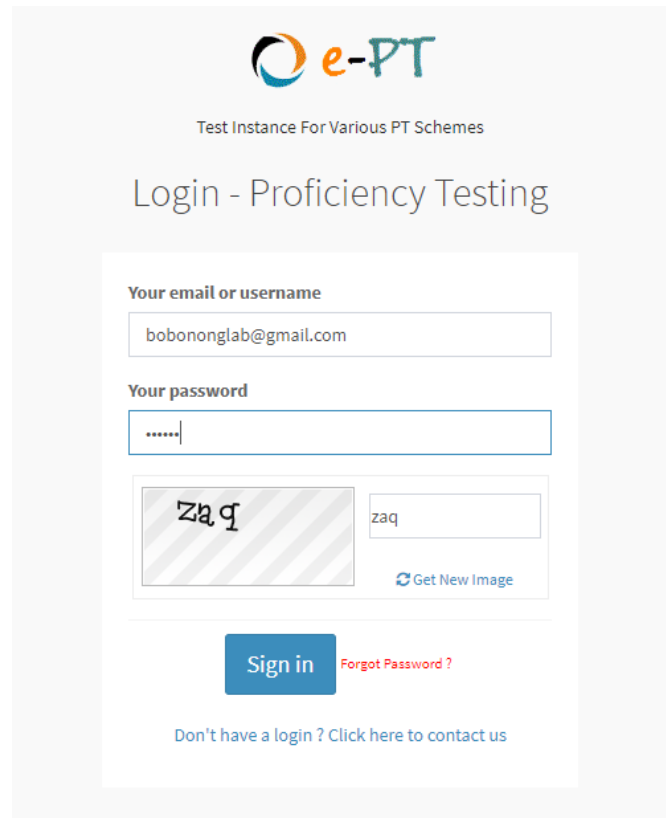
Login to the ePT Website

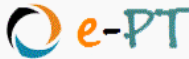
1. Enter the username and password that were sent to you by your performance evaluation country coordinator or as they appear on the Xpert MTB/RIF Performance Evaluation Report Form included with your panel
2. Enter the text in the image captcha
3. Click on the **Sign in** button
4. See the paper copy of the result form included with previous panel for your login details
5. If you need assistance in determining your login details, please send an email to tbeptmanager@gmail.com and we will attend to your request as quickly as possible.



Accessing the ePT Web Platform: Login

- Enter the username and password that was sent to you
- Enter the text in the image underneath the password box and click on the **Sign in** button.



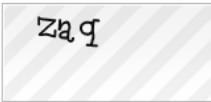


Test Instance For Various PT Schemes

Login - Proficiency Testing

Your email or username

Your password

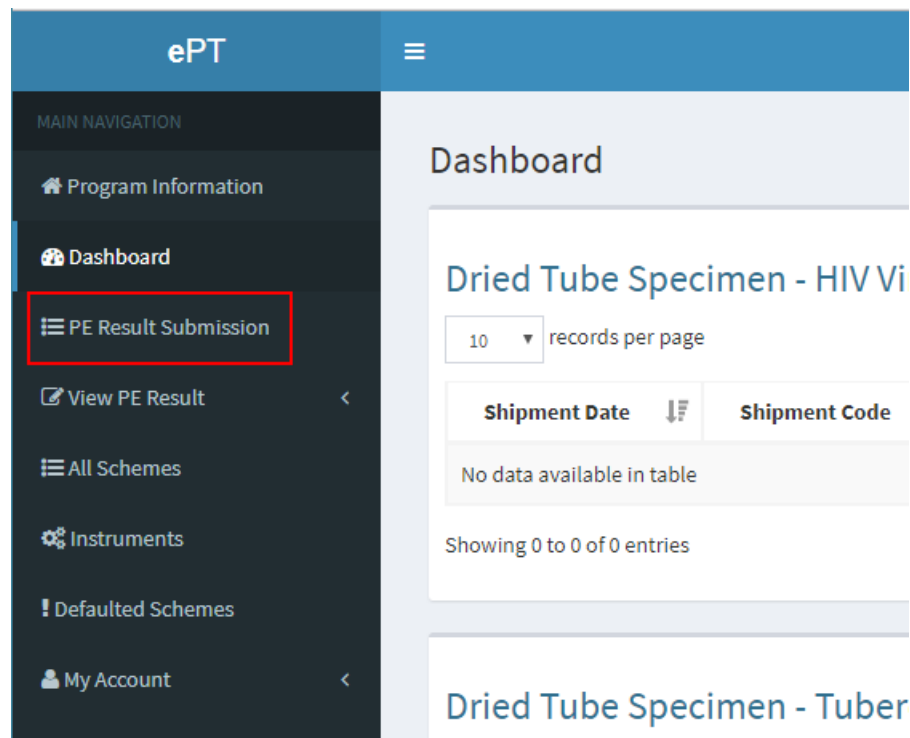
 [Get New Image](#)

[Sign in](#) [Forgot Password ?](#)

[Don't have a login ? Click here to contact us](#)

The ePT Web Platform: Entering Results

- After logging in, click on **PE Result Submission** in the left menu.



The ePT Web Platform: Entering Results

- Click on the **Enter Response** button next to the panel tested.
- If results have already been partially entered, click on the **View/Edit** button next to the panel to continue entering results for the panel.

Report PE Data

☐ All Schemes ☒ Active Schemes only ☐ Inactive Schemes only

10 records per page

Search:

Shipment Date ↑↓	Scheme ↑↓	Shipment Code ↑↓	Participant ID ↑↓	Participant ↑↓	Result Due Date ↑↓	Response Date ↑↓	Action
31-Mar-2017	Dried Tube Specimen - Tuberculosis	2017-A	01011	Bobonong Primary Hospital - Bobonong	12-Aug-2017	26-Jun-2017	<div><div>✍ View/Edit</div><div>✖ Delete Response</div></div>
01-Aug-2016	Dried Tube Specimen - Tuberculosis	2016-B	01011	Bobonong Primary Hospital - Bobonong	31-Dec-2016		<div><div>✍ Enter Response</div><div>⬇ Download Form</div></div>

Showing 1 to 2 of 2 entries

First Previous **1** Next Last 13

The ePT Web Platform: Entering Results

- Enter the reagent kit, instrument, and overall test details
- *Red stars indicate required fields

Dried Tube Specimen - Tuberculosis			
Participant Name Bobonong Primary Hospital - Bobonong	Participant Code 01011	Affiliation	Phone No 002672619223
Shipment Date 01-Aug-2016	Result Due Date 31-Dec-2016		
Shipment Receipt Date * 31-Dec-2016 ✕ Clear	Assay * Xpert MTB/RIF ▼		
MTB/RIF Kit Lot No * hdjdk	Expiration date of MTB/RIF Kit * 16-Sep-2017 ✕ Clear		
Response Date * 18-Aug-2017 ✕ Clear			
How many Xpert MTB/RIF tests have been conducted by this site in the last full month? 5	How many errors occurred during testing in the last full month? 0		
What were the error codes?			
Monthly Maintenance Done <input checked="" type="radio"/> Yes <input type="radio"/> No			
Maintenance Date * 07-Jun-2017 ✕ Clear	Maintenance Done By * bruce		

The ePT Web Platform: Entering Results

- For each sample in the panel, enter the result and C_t values from the GeneXpert run

2017-A-1 *										
Result Details	Date Tested	MTB Detected	Error Code	Rif Resistance	Probe D	Probe C	Probe E	Probe B	SPC	Probe A
	16-May-20	Mt ▼		Not I ▼	22.1	21.1	22.3	21.3	24.9	20.6

Instrument/Cartridge Details	Serial Number	Installed	Last Calibrated	Module Number	Instrument User
	708227 ▼	12-Mar-2013	12-Apr-2017	A2	M. TSHUMA

- Specify the instrument and operational details for the test

The ePT Web Platform: Submitting Results

Supervisor Review	<input type="text" value="Yes"/>	Supervisor Name *	<input type="text" value="Eric Evans"/>
Comments	<input type="text" value="Error 5007 occurred when running second sample"/>		

- Select **Yes** or **No** to indicate whether a supervisor has reviewed the results and any comments you would like to include as part of the submission.
- Submissions can be partially saved at any time by clicking on the **Save** button.
- Once the lab is ready to submit the results for evaluation, click on **Submit** so that the result can be evaluated.
- To return to the previous screen without saving, click **Cancel**.

The ePT Web Platform: Submitting Results

Report PE Data

☐ All Schemes ☒ Active Schemes only ☐ Inactive Schemes only

10 records per page

Search:

Shipment Date	Scheme	Shipment Code	Participant ID	Participant	Result Due Date	Response Date	Action
31-Mar-2017	Dried Tube Specimen - Tuberculosis	2017-A	01011	Bobonong Primary Hospital - Bobonong	12-Aug-2017	26-Jun-2017	<div><div>View/Edit</div><div>Delete Response</div></div>
01-Aug-2016	Dried Tube Specimen - Tuberculosis	2016-B	01011	Bobonong Primary Hospital - Bobonong	31-Dec-2016		<div><div>Enter Response</div><div>Download Form</div></div>

Showing 1 to 2 of 2 entries

First Previous 1 Next Last

- If results have already been partially entered and saved, you can access the saved entry by clicking on the **View/Edit** button next to the panel on the Enter Results screen

What you Need to Do as a Participant:

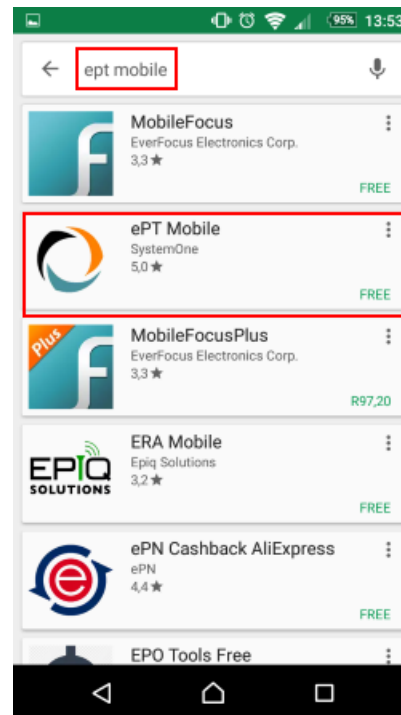
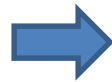
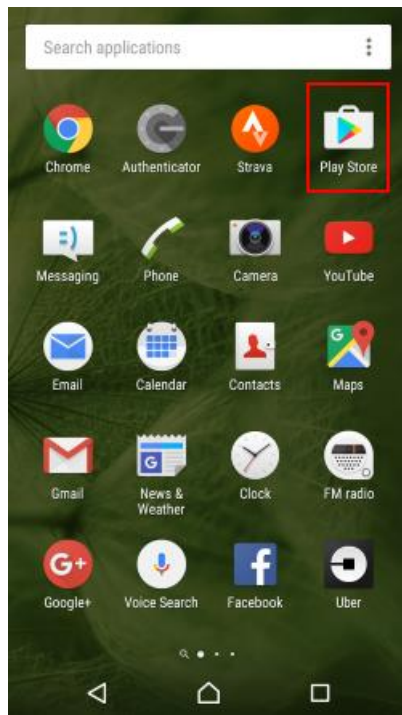
The ePT Mobile Application

- To enable submission of panel results from a mobile phone, an app is available for Android and iOS users.
- Download the ePT mobile app from the Google Play Store or Apple App Store, depending on the type of phone.

Accessing the ePT Mobile App: Locating and Installing

Android Devices

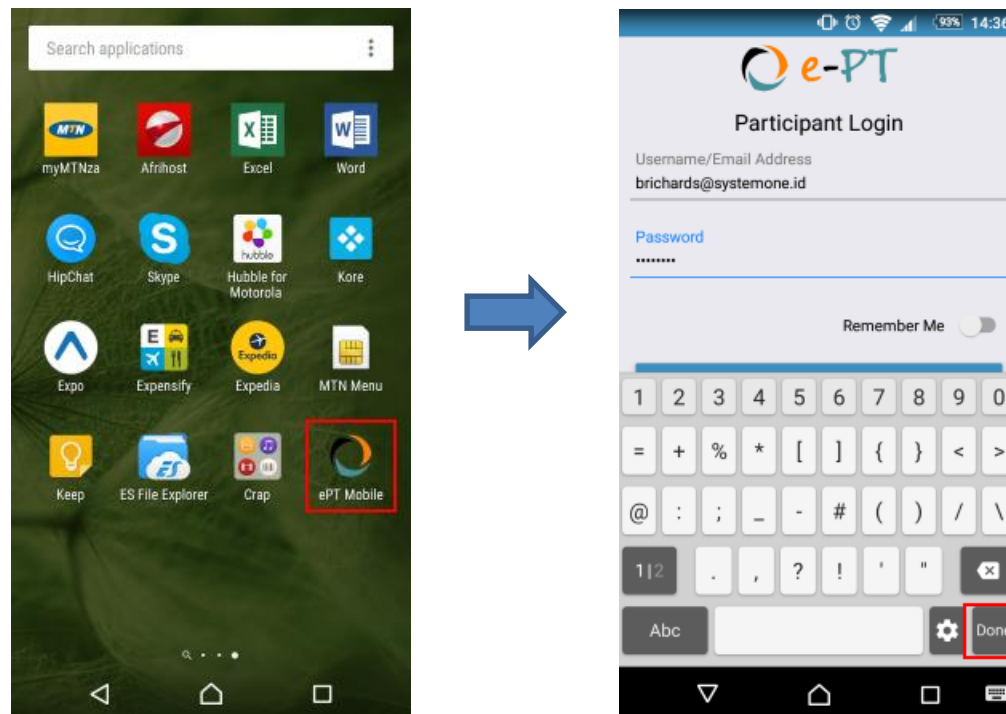
- Open the Play Store app on an Android phone, search for the ePT Mobile app and install it.



Accessing ePT Mobile App: Android Login

Android Devices

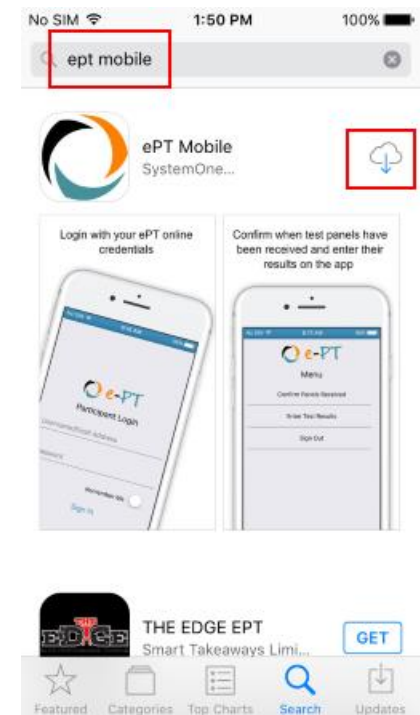
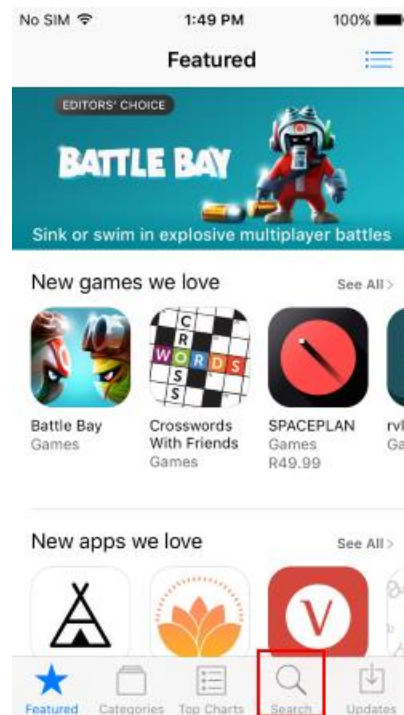
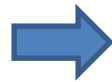
- Once installed, find the ePT Mobile App on your phone, open it and login with the same participant login details that you use to login to the ePT web platform (see slide 10)



Accessing ePT Mobile App: Locating and Installing

iOS Devices

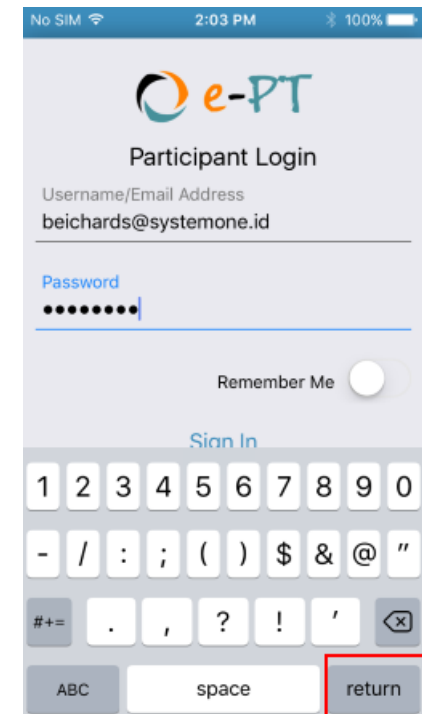
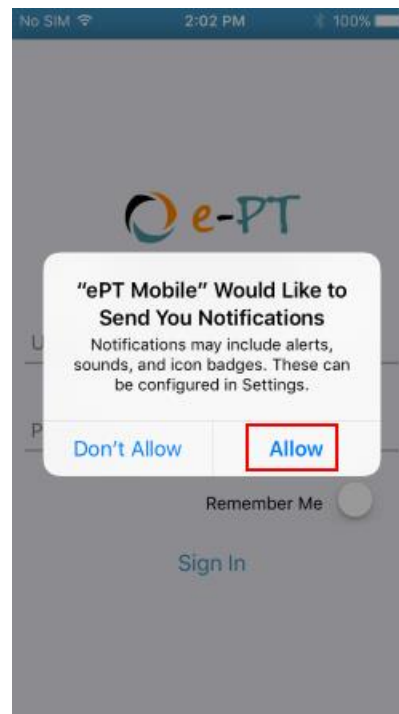
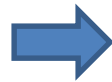
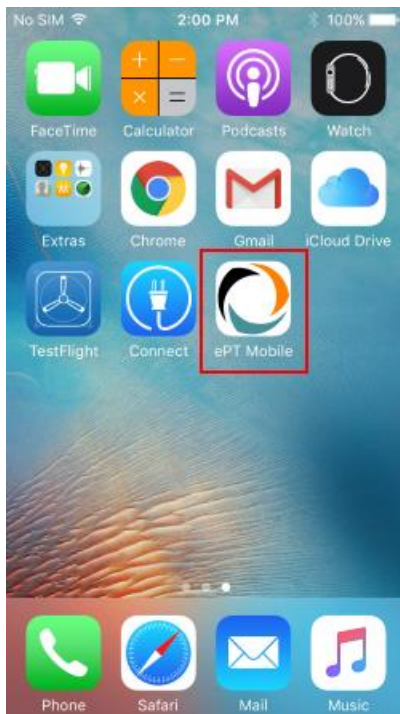
- Open the App Store app on an iPhone, search for the ePT Mobile app and install it.



Accessing the ePT Mobile App: iOS Login

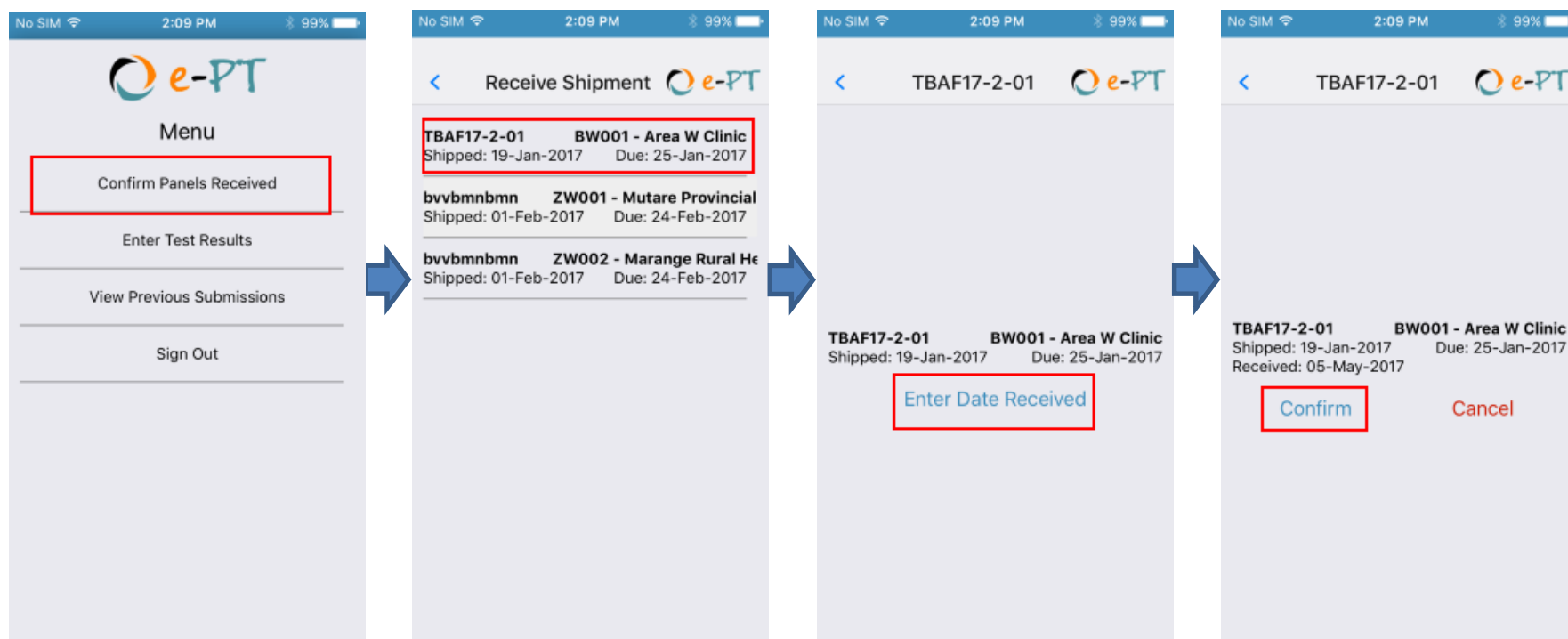
iOS Devices

- Once installed, find the ePT Mobile App on your phone and open it.
- The first time that the app is opened, iOS will prompt you to allow the app to send you notifications. Tap on **Allow**.
- Finally, login with the same participant details that you would use to login to the web platform (see slide 10).



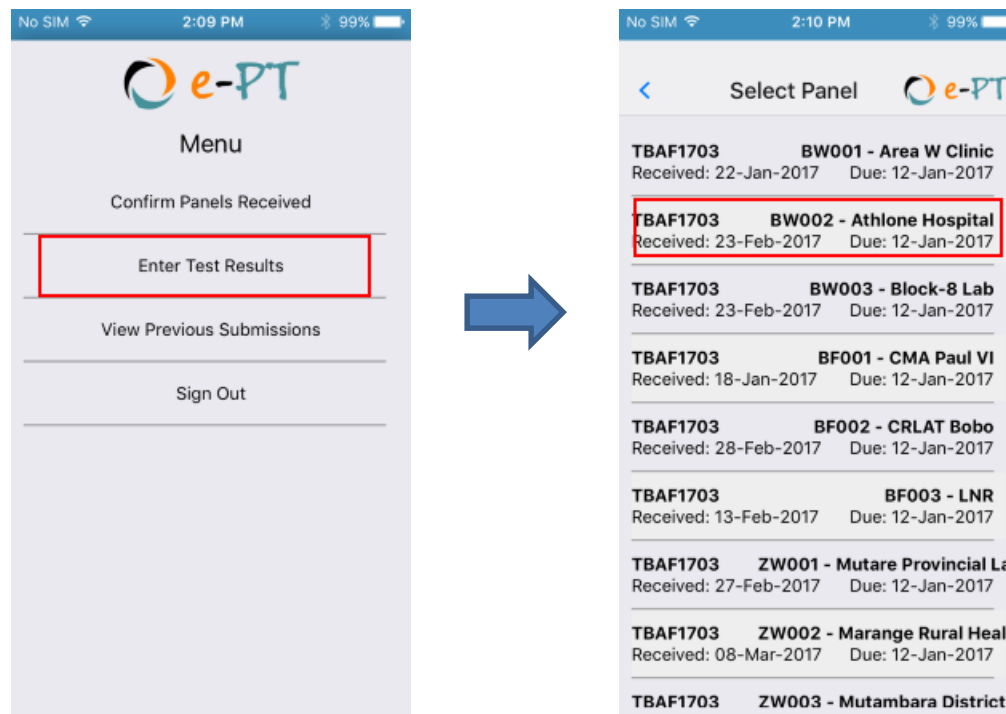
ePT Mobile App: Confirming Panel Receipt

- When a panel is shipped to your facility, you can use the app to confirm when you received the panel.
- Login to the mobile app and tap **Confirm Panels Received**.
- Select the panel that you want to confirm as received.
- Tap **Enter Date Received**, select the date that you received the panel and tap **Confirm**.



ePT Mobile App: Entering Results

- Once panel receipt is confirmed, result entry is available.
- From the app menu, tap on **Enter Test Results** and select the panel you want to result.



ePT Mobile App: Entering Results

- Enter the Xpert MTB/RIF kit lot number and overall test details.
- Tap **Save & Next**.

No SIM 2:10 PM 99%

< TBAF1703 e-PT

Assay
Xpert MTB/RIF

MTB/RIF Kit Lot No
KIT-1234ddft

Cartridge Expires
16-Aug-2029

Response Date
23-Jan-2017

Tests this Month
12

Errors this Month
2

Error Codes
5007

☒ Monthly Maintenance Done

Maintenance Date Maintenance Done By



Swipe
Down



No SIM 2:10 PM 99%

< TBAF1703 e-PT

Response Date
23-Jan-2017

Tests this Month
12

Errors this Month
2

Error Codes
5007

☒ Monthly Maintenance Done

Maintenance Date Maintenance Done By
04-May-2017 bbbbbb

< Back Next >

< Save & Back Save & Next >

ePT Mobile App: Entering Results

- For each sample in the panel, enter the MTB result, Rif Resistance result and C_t values from the GeneXpert run.
- Specify the instrument and operational details for the test.
- Tap **Save & Next** to go to the next sample.

The screenshot shows the ePT Mobile App interface for entering test results. The status bar at the top indicates 'No SIM', '2:10 PM', and '99%' battery. The app header shows a back arrow, the sample ID 'TBAF170301', and the 'e-PT' logo. The form is divided into several sections:

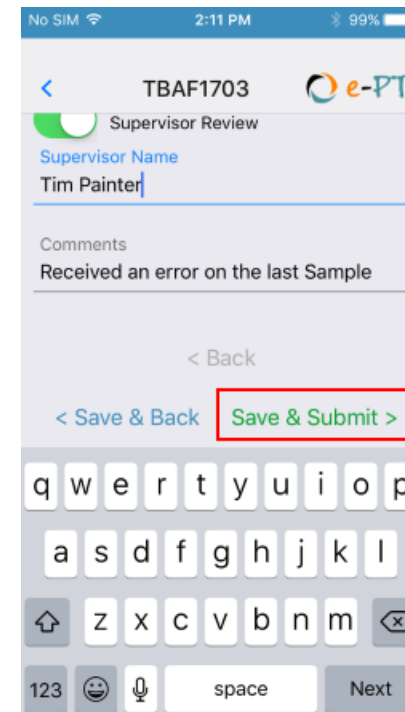
- Date Tested**: A text input field.
- MTB Detected**: A dropdown menu showing 'High' with a close button (X).
- Rif Resistance**: A dropdown menu showing 'Detected' with a close button (X).
- Probe Ct Values**: A table with columns D, C, E, B, SPC, and A.

D	C	E	B	SPC	A
12.2	35....	22.	32....	06	25

- Instrument/Cartridge Details**: A section with 'Instrument Serial' set to 'ABC123' and a close button (X).
- Installed**: A dropdown menu showing '09-Jan-2017' with a close button (X).
- Last Calibrated**: A dropdown menu showing '09-Jan-2017' with a close button (X).
- Module Number**: A text input field showing 'KIT-1234ddft'.
- Instrument User**: A text input field showing 'Jeff Tackle'.

ePT Mobile App: Submitting Results

- Finally, indicate whether a supervisor at the facility has approved the results and enter the supervisor's name.
- Add any comments you may have concerning the panel testing or the result submission.
- Once you are ready to submit the results for evaluation, tap **Save & Submit**.



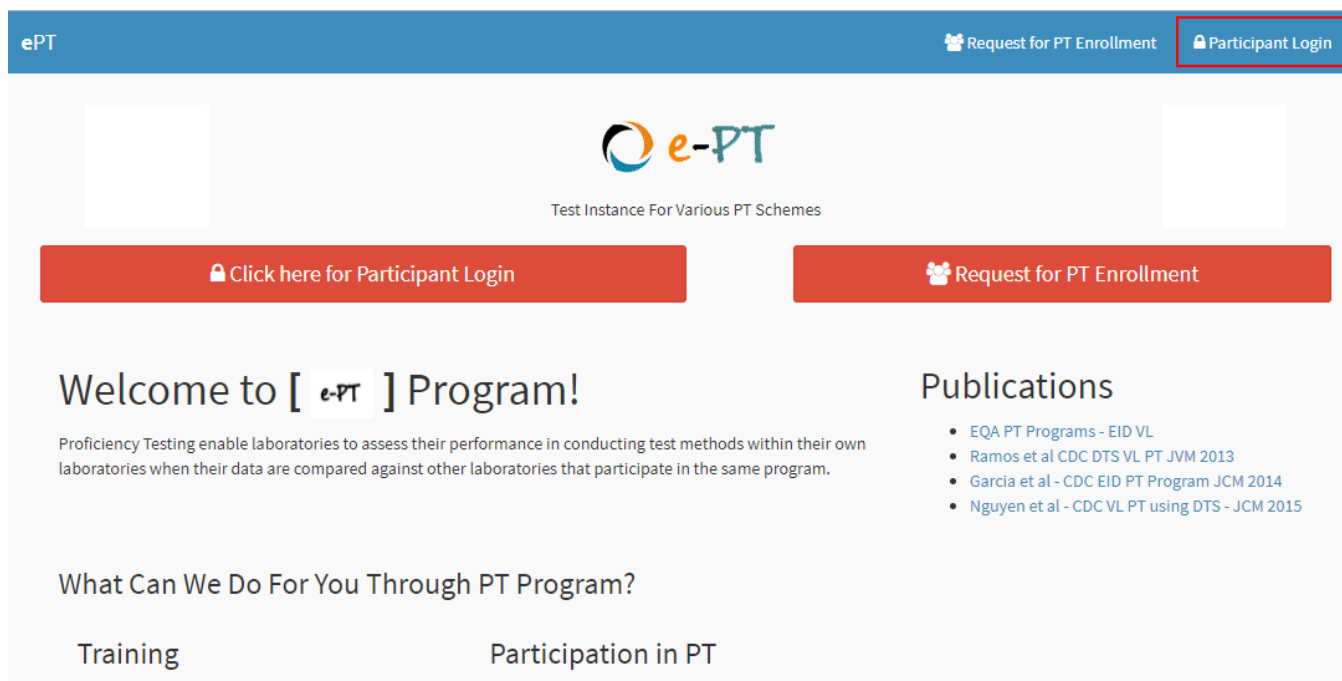
The screenshot shows the 'Supervisor Review' screen in the ePT mobile app. At the top, the status bar indicates 'No SIM', '2:11 PM', and '99%' battery. The app header shows a back arrow, the identifier 'TBAF1703', and the 'e-PT' logo. The main form has a 'Supervisor Name' field with 'Tim Painter' entered. Below it is a 'Comments' field with the text 'Received an error on the last Sample'. At the bottom, there are three buttons: '< Back' (disabled), '< Save & Back' (disabled), and 'Save & Submit >' (highlighted with a red box). A QWERTY keyboard is visible at the bottom of the screen.

ePT: Accessing XMPEP Results

as a Participating Site

Navigate to ePT and Login

1. Navigate to <http://ept.systemone.id>
2. Click on 'Participant Login' on the top right hand corner of the web page



Login to the ePT Website

1. Enter the username and password that were sent to you by your performance evaluation country coordinator
2. Enter the text in the image captcha
3. Click on the **Sign in** button
4. See the paper copy of the result form included with previous panel for your login details
5. If you need assistance in determining your login details, please send an email to tbepmanager@gmail.com and we will attend to your request as quickly as possible.

e-PT

Test Instance For Various PT Schemes

Login - Proficiency Testing

Your email or username

bobononglab@gmail.com

Your password

.....

zaq

zaq

[Get New Image](#)

Sign in [Forgot Password ?](#)

[Don't have a login ? Click here to](#)

Xpert® MTB/RIF Performance Evaluation Result Form

Performance Evaluation Panel ID: 2018-A Country: Submission Due Date:

Instructions: Fill in the circles below corresponding to the results from testing each sample provided. Document the error code in the Error Code column for tests resulting in error. Record the cycle thresholds (Ct) in the cells provided for all successful tests. Fill information on back of form for records.

Name of Site: Date Panel Received: Date Results Reported:

Site PT-ID Number: Date of Last Genieport Instrument Calibration:

ePT Username: Xpert MTB/RIF Kit Lot Number:

ePT Password: Xpert MTB/RIF Cartridge Expiry Date:

Test Sample ID	Date Tested	TB Detection Result		RIF Result		Interpretable Result	Cycle Threshold (Ct) Value						
		1	2	3	4		5	6	7	8	9	10	
Example	5/15/2018	●	●	●	●	●	23.4	23.2	24.1	23.5	23.1	A5	
2018-A-1													
2018-A-2													
2018-A-3													
2018-A-4													

Comments:

This form is for your site's performance evaluation records only. All results must be submitted in ePT at <http://apt.systems.id> using your username and password above.

Please fill information on back

View the ePT Laboratory Dashboard

Once you have logged in, you should be directed to your ePT laboratory dashboard

The screenshot shows the ePT Laboratory Dashboard interface. The browser address bar displays `ept.systemone.id/participant/dashboard`. The user is logged in as Bryan Richards. The left sidebar contains the following navigation items: Program Information, Dashboard (highlighted with a red arrow), PE Result Submission, View PE Result, All Schemes, Instruments, Defaulted Schemes, My Account, Contact Us, and Logout. The main content area is titled "Dashboard" and contains two sections:

Dried Tube Specimen - HIV Viral Load

10 records per page

Shipment Date	Shipment Code	Participant Id	Participant	Response Date	Performance
No data available in table					

Showing 0 to 0 of 0 entries

First Previous Next Last

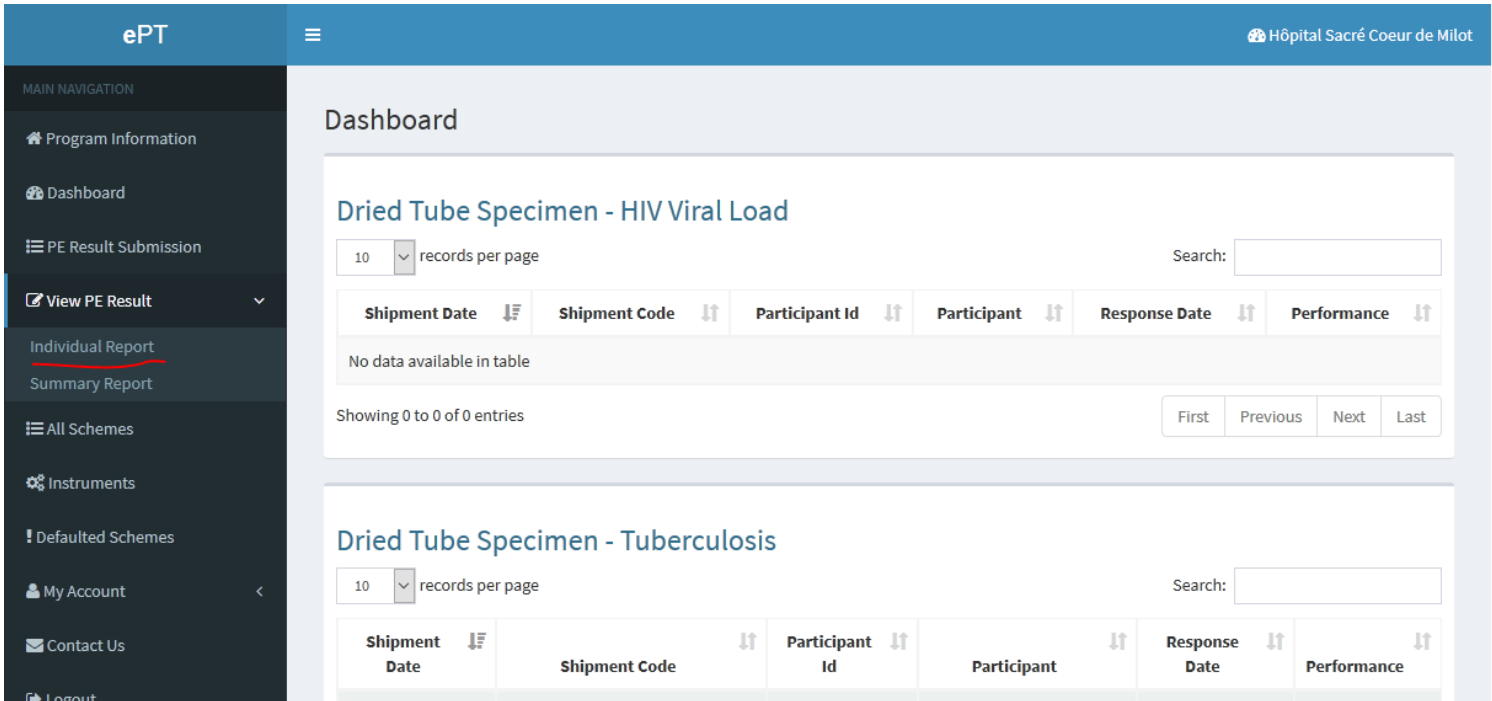
Dried Tube Specimen - Tuberculosis

10 records per page

Shipment Date	Shipment Code	Participant Id	Participant	Response Date	Performance
02-Aug-2017	Xpert MTB/RIF 2017-B	BW001	Area W Clinic		
02-Aug-2017	Xpert MTB/RIF 2017-B	BW002	Athlone Hospital		

View the Individual PE Report

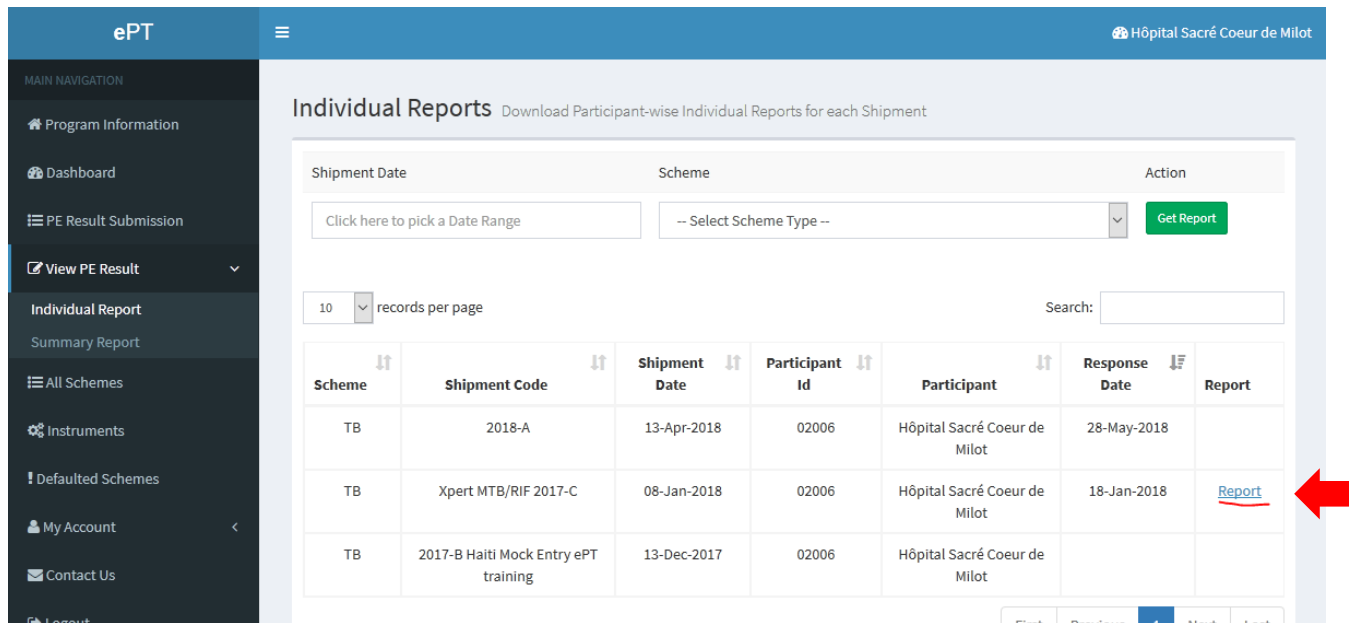
1. There is a menu on the left hand side of the dashboard.
Click on [View PE Result](#) > [Individual Report](#)



The screenshot shows the ePT dashboard interface. On the left is a dark navigation menu with the following items: Program Information, Dashboard, PE Result Submission, View PE Result (highlighted with a red arrow), Individual Report (underlined), Summary Report, All Schemes, Instruments, Defaulted Schemes, My Account, Contact Us, and Logout. The main content area is titled 'Dashboard' and contains two sections. The first section is 'Dried Tube Specimen - HIV Viral Load', which includes a 'records per page' dropdown set to 10, a search bar, and a table with columns: Shipment Date, Shipment Code, Participant Id, Participant, Response Date, and Performance. The table currently displays 'No data available in table' and 'Showing 0 to 0 of 0 entries'. The second section is 'Dried Tube Specimen - Tuberculosis', which also includes a 'records per page' dropdown set to 10, a search bar, and a table with columns: Shipment Date, Shipment Code, Participant Id, Participant, Response Date, and Performance.

Viewing PE Result

- You will see a list of all the PE panels that you have received. Panels that have generated reports will have a 'Report' link next to them. Click on this link to download your report.



The screenshot displays the ePT application interface. On the left is a dark sidebar with navigation links: Program Information, Dashboard, PE Result Submission, View PE Result (selected), Individual Report, Summary Report, All Schemes, Instruments, Defaulted Schemes, My Account, Contact Us, and Logout. The main content area is titled 'Individual Reports' with a subtitle 'Download Participant-wise Individual Reports for each Shipment'. It features filters for 'Shipment Date' (a date range picker), 'Scheme' (a dropdown menu), and an 'Action' button labeled 'Get Report'. Below the filters is a table with columns: Scheme, Shipment Code, Shipment Date, Participant Id, Participant, Response Date, and Report. The table contains three rows of data. A red arrow points to the 'Report' link in the 'Report' column of the second row. At the bottom right, there are pagination controls showing 'First', 'Previous', '1', 'Next', and 'Last'.

Scheme	Shipment Code	Shipment Date	Participant Id	Participant	Response Date	Report
TB	2018-A	13-Apr-2018	02006	Hôpital Sacré Coeur de Milot	28-May-2018	
TB	Xpert MTB/RIF 2017-C	08-Jan-2018	02006	Hôpital Sacré Coeur de Milot	18-Jan-2018	Report
TB	2017-B Haiti Mock Entry ePT training	13-Dec-2017	02006	Hôpital Sacré Coeur de Milot		

Documenting and Filing PE Report

- After the laboratory manager and Xpert testing staff have reviewed the report, document the review by signing and dating the back of the report in the spaces provided.
- File the report in a secure location, in a binder or file, with other laboratory proficiency testing and performance evaluation reports.
- If there are any discrepancies between the expected results and the actual results or errors encountered during testing contact your performance evaluation country coordinator for help in performing a root cause analysis and determining the best corrective action.