



RSID™ Reader: User Manual

Updated January 2020

Congratulations! You are now the proud owner of an IFI RSID™ READER – the fast and easy way to analyze and document your RSID™ test results. The RSID™ READER is extremely rugged and simple to use.

The unit is specifically designed for RSID™ lateral flow strip tests and features activated touch screen technology.



The unit houses an advanced digital imaging system for capturing and analyzing images from RSID™ cassettes.

All data is stored in the RSID™ READER memory including results and captured images, until they are downloaded to your computer.

Your unit will arrive precharged and precalibrated, ready to use right out of the box. Software must be installed PRIOR to downloading results from RSID™ READER unit.

#RR-007-3 RSID™ READER includes color screen, power adapter for 110V/220V, USB synch cable, and RSID Data Manager software RDS 2500.

The RSID™ READER is very sensitive and has been calibrated using RSID™ Cassettes. As for all RSID™ tests, results must be read 10 minutes (15 min for RSID™-Urine) after the addition of extract to the sample well of the cassette.

Do not use previously run RSID™ tests with the RSID™ READER – the results will not be reliable! Please follow the simple instructions for a best practices approach to using your new RSID™ READER.

For technical help, please call or email.

Phone

866-434-2400
708-234-1200

Email

info@ifi-test.com
dina@ifi-test.com

Skype

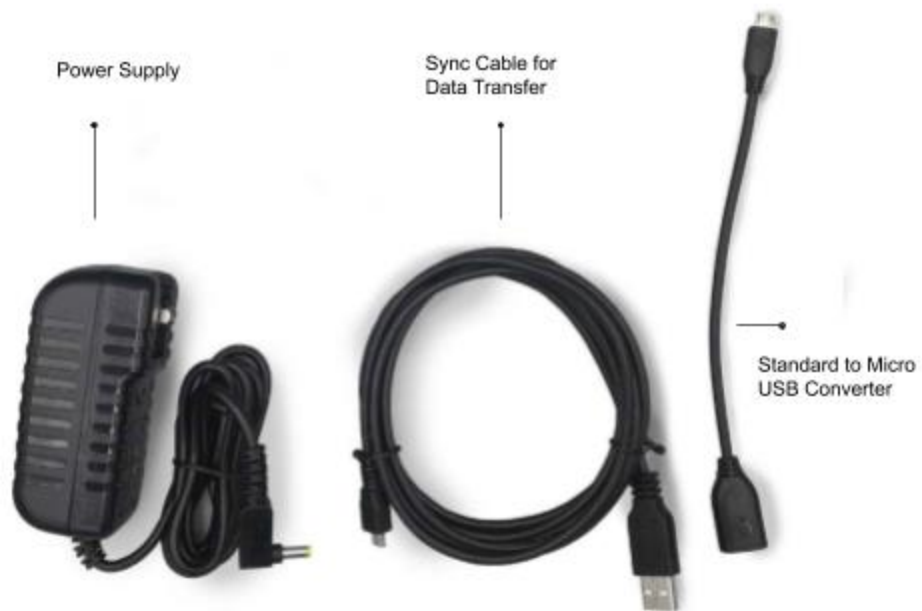
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RSID™ READER: Diagram of Parts





How To Read an RSID™ Cassette

1. Turn on your READER by holding down the power button. Buttons will illuminate and the unit will power up as shown below.



2. Press Not you? to log in as another user or to create a new user. Press Continue when ready.



3. Insert RSID™ cassette as pictured (facing you) into cassette port.



Caution: The cassette must be inserted as shown, right side up and facing you or test will read INVALID or give an inaccurate result.

Do not insert the cassette with RSID name first.

Do not touch cassette or READER while instrument is analyzing a test.

Follow the prompts on the screen to capture an image of the test results and analyze it using precalibrated thresholds.. The image and the results are stored in the on-board memory of the RSID READER until downloaded to your computer.

You can insert the cassette at any time before entering the Sample ID and pressing check ☒ (See step 7 on the following page).

4. Press Select Cassette



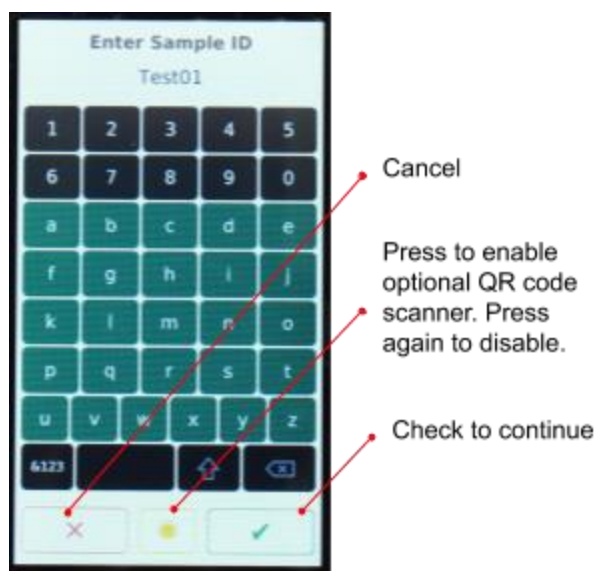
5. Select Test



6. Once type of test is selected, press RUN TEST

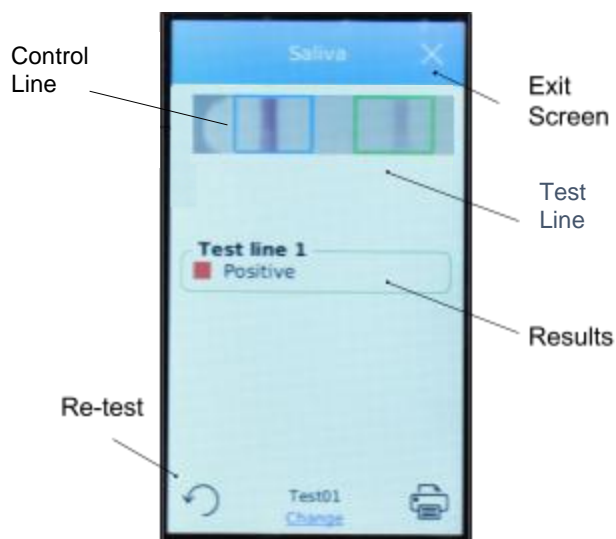


7. Name your sample and select Check.
If you have not yet inserted your cassette, please do so now before pressing check. Then wait for results screen.

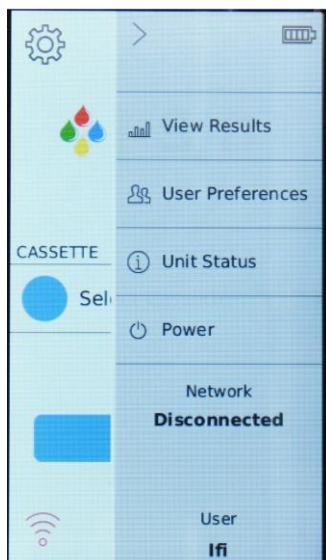


8. The test results screen will show the captured image of Control Line in blue box, Test Line in green box. Below the captured image, the results will display as Positive, Negative, or Invalid.

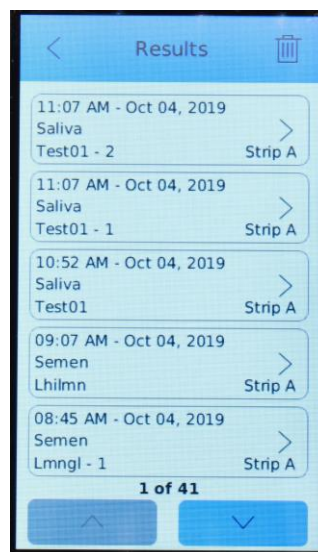
You can hit the re-test icon on the bottom left, if you want to re-run the same test or press Change to read a new cassette or exit the screen. All results are saved on your RSID READER.



9. Test results can also be found on the home page, Main Menu icon (top right). Press View Results.



10. Results screen will show archived individual test results. Select any test to view captured image and complete details. All results can be easily downloaded onto laptop/PC. Results will remain on unit, until deleted by user.

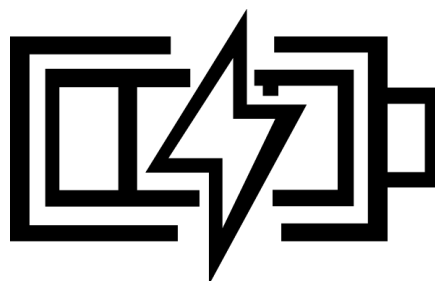


How to charge the RSID™ READER

To charge your reader, connect the power adapter to the left side of the reader. When powered off and connected to the power supply the reader will reach full charge in three hours.



The battery icon on the side menu will indicate when the reader is charging. When the reader is on or in use while connected to power, it will maintain its current power state.



Messages and icons throughout the interface pages will alert the user when the battery is getting low.



Data Manager Software Installation

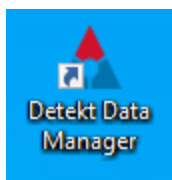
Download the Data Manager software by visiting the link below or by using the CD provided to you:

[RSID 2500 Data Manager](#)

Or type in the following url

<http://bit.ly/reader-setup-file-2020>

Run the setup file and follow the installation prompts. Once successful, you should find the icon on your home screen. Double click to open program.



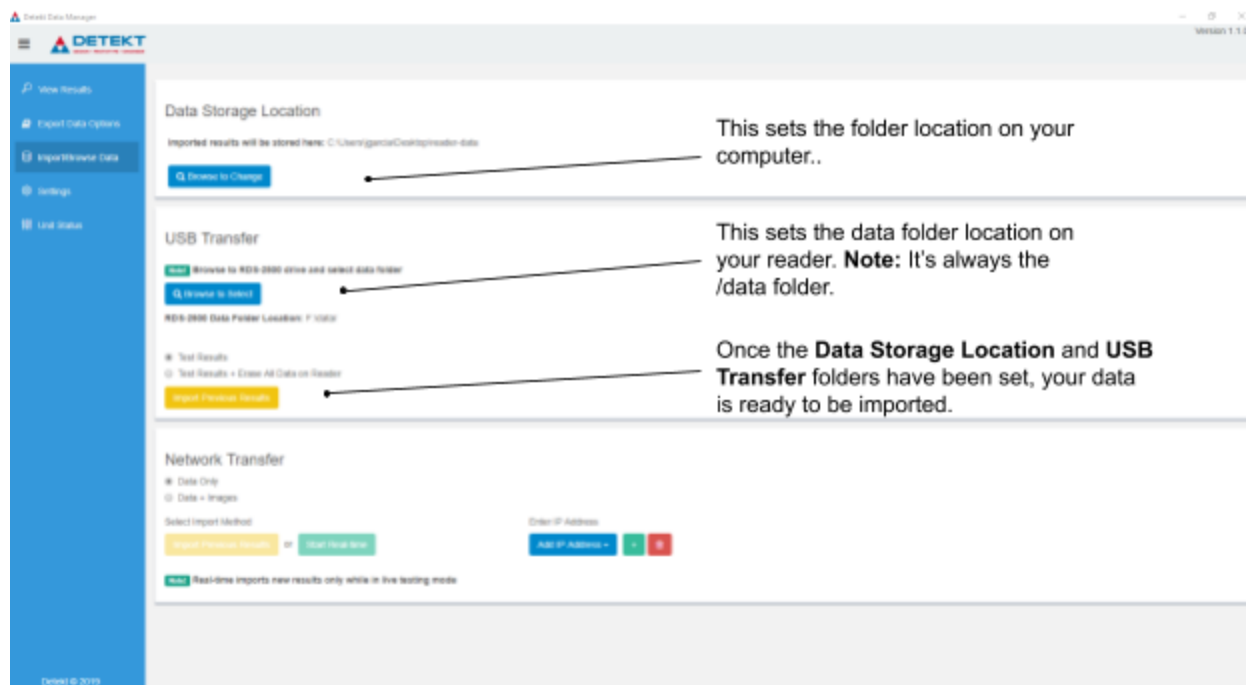
Note: If you are prompted for a license key, ignore and continue with the installation.

With the Data Manager Program you should be able to:

- Import/Browse Data- Import test results from the RSID READER or browse to view other saved results.
- View Results - View details of tests imported from the RSID READER.
- Export Data Options- Export your data into an excel document
- Settings- Customize your Data Manager experience
- Unit Status - Send a diagnostic report when trouble-shooting
- PRINT REPORTS for documentation

Importing Data From the Reader

Quick overview: First you will need to open Data Manager Software to set up data storage location.



Note: This setup only needs to be done once.

Set up Data Storage Location

1. Click on Import/Browse Data on the blue side menu
2. Under Data Storage Location, click the Browse to Change button and select the folder on your PC where you want to store your data.


Data Storage Location

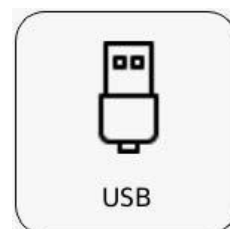
Imported results will be stored here: C:\Documents\RDS-2500 Data

This folder location C:\Documents\RDS-2500 Data is used for the following actions:

- New imported results will be stored here
- View Results table is populated with the data in this folder
- Data available for export is loaded from this location
- Unit Status diagnostic report is saved here

Download Results - USB Transfer

1. Navigate to sync mode on the RSID READER by clicking the computer icon in the lower right-hand corner of the home screen , then select the USB icon.

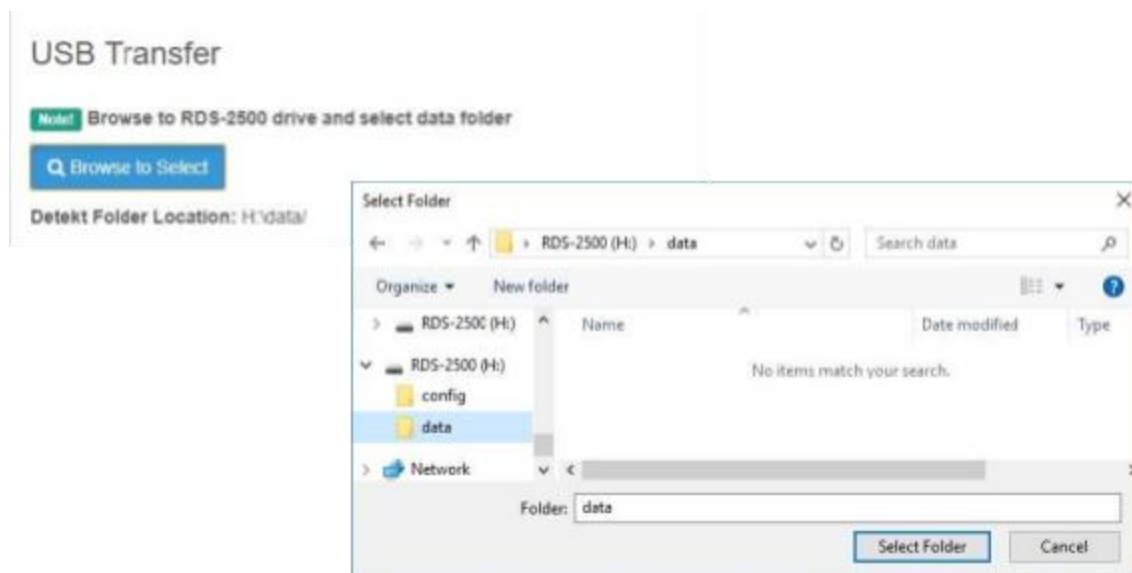


NOTE: Stay on this page until the import is complete

2. Plug in the sync cable to the micro USB port on the left side of the RSID READER.

NOTE: the right side USB port is for peripherals (printing and software updates, etc.) and will not connect.

3. Under USB Transfer on the Data Manager, first click the Browse to Select button and navigate to RDS-2500 -> data (shown in Select Folder window below) then click Select Folder. Once the folder path is set, it should not change and future imports will not require this step.



4. Select the desired import option (either import only or import and erase data on the reader). If Erase All Data on Reader is chosen, the results will no longer be available on the reader.

☐ Test Results
☒ Test Results + Erase All Data on Reader

Import Previous Results


5. Click Import Previous Results. A loading bar will display the progress of the import.

View Imported Results

1. Click View Results on left side menu. Click on Summary tab.

2. A list of tests will appear in the table. The Data Manager will automatically load only the most recent 250 results into the table. To see older results, click the Load All Results button at the top of the page.

NOTE: Only results loaded in this table are available for export.



View Results

Export Data Options

Import/Browse Data

Settings

Unit Status

Loaded last 250 results [Load All Results](#)

Show entries

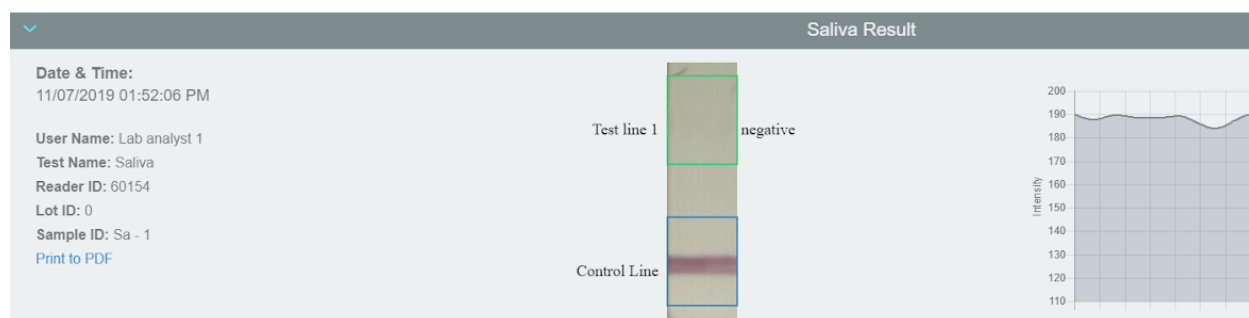
								Test Line #1			
Reader ID	User Name	Time	Test Name	Lot ID	Sample ID	Control Line		Name	Test	Ratio	Result
60154	Lab analyst 1	11/07/2019 01:52:06 PM	Saliva	0	Sa - 1	507104		Test line 1	2220	0.00	negative
60154	Lab analyst 1	11/07/2019 01:51:33 PM	Saliva	0	Sa	504189		Test line 1	2352	0.00	negative
60154	Lab analyst 1	11/06/2019 12:13:53 PM	Semen	0	Nm1 - 3	55644		Test line 1	48734	0.88	positive
60154	Lab analyst 1	11/06/2019 12:13:41 PM	Semen	0	Nm1 - 2	56381		Test line 1	48820	0.87	positive
60154	Lab analyst 1	11/06/2019 12:13:29 PM	Semen	0	Nm1 - 1	57045		Test line 1	48878	0.86	positive
60154	Lab analyst 1	11/06/2019 12:13:07 PM	Semen	0	Nm1	56903		Test line 1	49715	0.87	positive
60154	Iti	10/31/2019 09:39:45 AM	Urine	0	Pos2 - 1	196732		Test line 1	3430	0.02	negative
60154	Iti	10/31/2019 09:38:51 AM	Urine	0	Pos2	193593		Test line 1	3241	0.02	negative
60154	Iti	10/31/2019 09:37:40 AM	Urine	0	Pos - 1	136136		Test line 1	4509	0.03	negative
60154	Iti	10/31/2019 09:36:48 AM	Urine	0	Pos	132274		Test line 1	4128	0.03	negative

Showing 1 to 100 of 250 entries

3. Use the Summary tab to view all archived results.

4. Click on an individual test to see the expanded result including the image and additional test information as below.

5. In the bottom left corner of the expanded result there is an option to print to PDF. This will export the individual result information including the image.



Printing reports

Printing from the Data Manager

The screenshot shows the DETEKT Data Manager interface. On the left is a sidebar with navigation options: View Results, Export Data Options, Import/Browse Data, Settings, and Unit Status. The main area displays a table of test results. The table has columns for Reader ID, User Name, Time, Test Name, Lot ID, Sample ID, Control Line, and Test Line #1. The Test Line #1 section is expanded, showing columns for Name, Test, Ratio, and Result. Below the table, there is a detailed view of a specific test result for 'Saliva Result'.

Reader ID	User Name	Time	Test Name	Lot ID	Sample ID	Control Line	Test Line #1
60154	Lab analyst 1	11/07/2019 01:52:06 PM	Saliva	0	Sa - 1	507104	Test line 1 2220 0.00 negative
60154	Lab analyst 1	11/07/2019 01:51:33 PM	Saliva	0	Sa	504189	Test line 1 2352 0.00 negative
60154	Lab analyst 1	11/06/2019 12:13:53 PM	Semen	0	Nm1 - 3	55644	Test line 1 48734 0.88 positive
60154	Lab analyst 1	11/06/2019 12:13:41 PM	Semen	0	Nm1 - 2	56381	Test line 1 48820 0.87 positive
60154	Lab analyst 1	11/06/2019 12:13:29 PM	Semen	0	Nm1 - 1	57045	Test line 1 48878 0.86 positive
60154	Lab analyst 1	11/06/2019 12:13:07 PM	Semen	0	Nm1	56903	Test line 1 49715 0.87 positive
60154	Iti	10/31/2019 09:39:45 AM	Urine	0	Pos2 - 1	196732	Test line 1 3430 0.02 negative
60154	Iti	10/31/2019 09:38:51 AM	Urine	0	Pos2	193593	Test line 1 3241 0.02 negative
60154	Iti	10/31/2019 09:37:40 AM	Urine	0	Pos - 1	136136	Test line 1 4509 0.03 negative
60154	Iti	10/31/2019 09:36:48 AM	Urine	0	Pos	132274	Test line 1 4128 0.03 negative

Showing 1 to 100 of 250 entries

Saliva Result

Date & Time: 11/07/2019 01:52:06 PM

User Name: Lab analyst 1

Test Name: Saliva

Reader ID: 60154

Lot ID: 0

Sample ID: Sa - 1

[Print to PDF](#)

Test line 1 negative

Control Line

Intensity

1. In the Data Manager dashboard, navigate to View Results tab to see your previously imported tests.
2. Select the desired test to print.
3. Once the Test Result section appears, navigate to the Print to PDF link at the bottom.

This is a close-up of the 'Print to PDF' link in the test result section. An arrow points from the text 'Saves report into a simple PDF file for easy printing' to the 'Print to PDF' link.

Saliva Result

Date & Time: 11/07/2019 01:52:06 PM

User Name: Lab analyst 1

Test Name: Saliva

Reader ID: 60154

Lot ID: 0

Sample ID: Sa - 1

[Print to PDF](#)

Saves report into a simple PDF file for easy printing

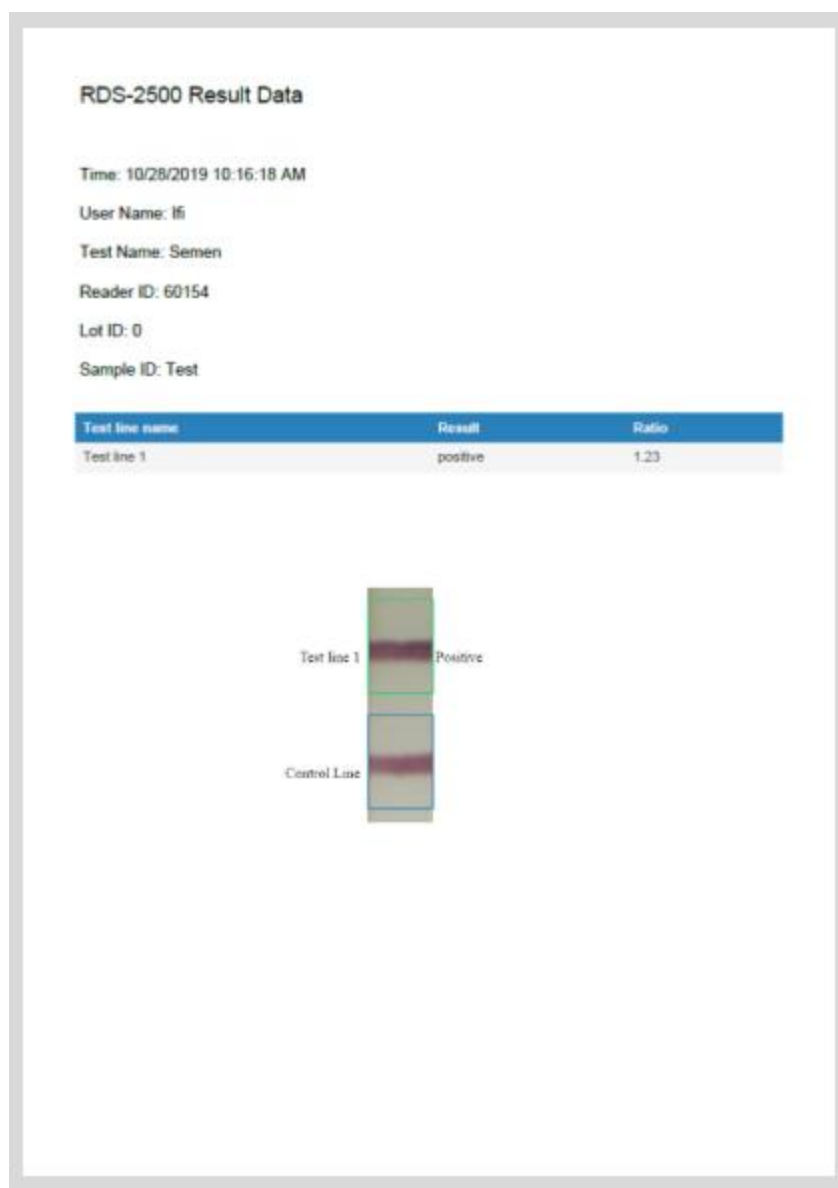
Test line 1 negative

Control Line

Intensity

4. Save as PDF.

5. Find and open PDF.



6. Print.

Your new RSID READER is now ready to analyze and document RSID™- SALIVA, SEMEN, BLOOD, and URINE test results. Thank you for your purchase!

Please do not hesitate to contact us with any questions or concerns at **info@ifi-test.com**.