QuickScan CONNECT

USER MANUAL



ACC-431

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ENVIROLOGIX

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Welcome to QuickScan Connect™ from EnviroLogix!

QuickScan Connect is a novel quantification and traceability system that combines digital imaging technology with advanced mathematical processing. Using a standard Windows® platform, QuickScan provides rapid, objective and quantitative results for a variety of EnviroLogix test kits. Features of the QuickScan System include:

- Flexibility in reading single test strips or multi-strip "combs";
- Per-lot quantitative standards integrated into a unique barcode system for each test strip, ensuring precise measurement across different manufactured lots and eliminating the need to calibrate the imaging device;
- Instantaneous data storage, where test results can be emailed, printed or analyzed at any time; and
- A simple Microsoft Windows software interface, familiar to users worldwide and minimizing training time

Accuracy of the QuickScan System is influenced by proper operation of the EnviroLogix test kits themselves. Test kit procedures are explained in EnviroLogix Product Inserts. Inserts ship with each test kit package and can also be found on our website.

We invite you to experience our technology. Should you have questions not addressed in this User Manual, please contact the EnviroLogix QuickScan Team at 1-866-408-4597 (toll-free, US) or email techsupport@envirologix.com. Hours of operation are from 8 am to 5 pm EST, Monday through Friday.

Thank You!
The EnviroLogix QuickScan Team



Package Contents



1. QuickScan Connect System
2. Strip / comb tray
   fits in QuickScan Connect drawer
3. Power cord
4. QuickScan Check Comb
5. White card
   for cleaning and servicing
6. USB-A dongle
   for QS software licensing
7. USB-C to USB-A scanner cable

Intended Use

QuickScan is part of a quantification and traceability system intended for use with specific barcoded EnviroLogix test kits. These kits, including QuickComb™, QuickStix™, TotalTox™, and TotalTarget™, are designed to analyze a variety of analytes and compounds. QuickScan will not analyze test kits from any other manufacturer. (See the Barcode Labels section for a list of EnviroLogix test kits for QuickScan.)

EnviroLogix provides test kits to detect such targets as proteins expressed by genetic modifications in crops, mycotoxins, algal toxins, chemical contaminants, and allergens. Interest in detecting and measuring these targets lies in many industries, including agricultural biotechnology, grain merchandising, food and animal feed processing.

The QuickScan imager is not intended for any use other than reading EnviroLogix test strips or combs. Using the imager in unintended ways may affect QuickScan's ability to provide accurate, consistent test results.

Installation

All components required for installation are supplied (see Package Contents). Place the tray into the drawer. Connect the power supply and power on the unit using the button in the back of the unit. IMPORTANT: Ensure device is positioned so that the power switch can be accessed at all times. Use the USB cable to connect the QS-Connect to a computer. Computer must have QuickScan software and OS550+ scanner driver installed.

Calibration

Calibration can be configured to occur automatically each day to ensure consistent imaging quality over time. See QuickScan Setup for more information.

Before processing EnviroLogix test strips for the first time, the QuickScan imager must be calibrated. Calibration ensures the highest image quality possible.

The unit can be calibrated by opening the QuickScan program and clicking the Calibrate button at the bottom of the Main Menu screen. The program will indicate that the unit is being calibrated, which will only take a few seconds. Please note: calibrations initiated from the main screen, as well as automatic calibrations done by the program, are recorded in the DataLog.

Incorrect calibration may lead to "streaky" images in the QuickScan Results Screen, or the inability of the system to locate barcodes on the test strips, invalidating test results. If a problem develops with the calibration process, contact the QuickScan Team at 1-866-408-4597 or techsupport@envirologix.com.

Operation



QuickScan Icon

After turning on the unit via the rear power switch, the device's front power indicator (LED) will illuminate. For a short time during scanner initialization, the light may blink yellow. Once initialization is complete, the light will remain steadily green. The scanner is now ready for use.

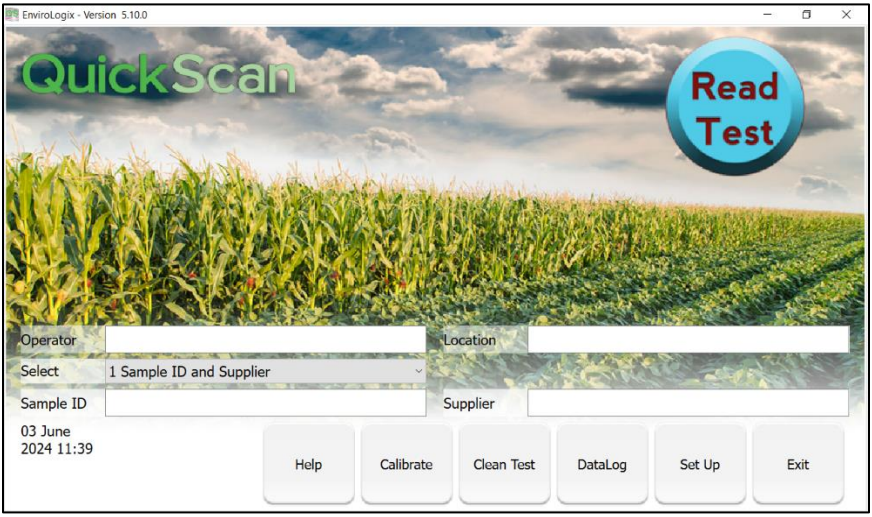
The QuickScan Connect must interface with a control unit (PC or Laptop) capable of running QuickScan software (see QS Connect Technical Specifications for more info). Using the provided USB-C to USB-A cable, connect the USB-C to the rear port on the QS Connect. Then connect the USB-A to your control unit. You should hear an audible alert from your control unit indicating that it recognized the new, wired connection. This completes the physical setup of the QS Connect system.

If you haven't already installed QuickScan Software and OS550+ scanner drive on your computer, please visit https://.envirologix.com/connect to download and install our latest software. A valid license is required to authorize installation so ensure that your license key/dongle (provided in box) is connected to the computer before proceeding with installation.

Once QuickScan Software is installed, open the application to check the connection to your QuickScan Connect device. Upon start-up, the device should calibrate itself automatically. You will see a progress bar and hear the scanner moving during this operation. If you receive a 'Scanner not found' error upon starting QuickScan Software, ensure the QuickScan Connect is powered on, the LED light is steadily green, and that your computer recognizes the scanner as seen in Windows OS Control Panel. If this doesn't resolve the issue, click the Help button on the error message box for more troubleshooting tips or contact EnviroLogix Technical Support for assistance.

Main Menu

The Main Menu (below) is the starting point for all QuickScan operations.



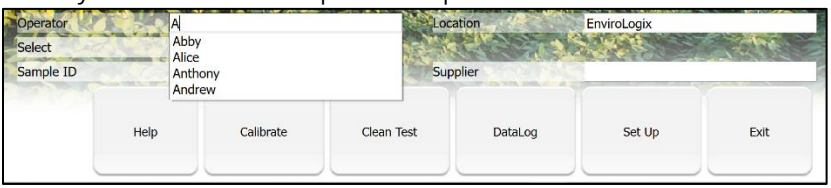
From top to bottom, key actions on the Main Menu include the Read Test button, data entry fields, and function buttons at the bottom of the screen.

- **Read Test**

Clicking the "Read Test" button begins the strip-scanning process. EnviroLogix test kits must be run according to their Product Inserts and placed correctly into the strip tray before activating "Read Test."

- **Operator and Location Fields**

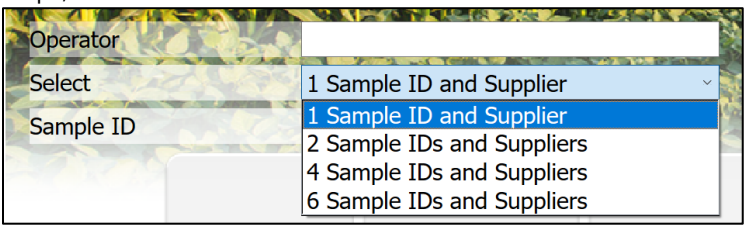
Users can enter values into these entry fields, which are saved and applied to all scans until modified or deleted. QuickScan will default to the most recently saved field entries upon start up.



Previous Operators and Locations are stored in a drop-down menu. Just click the entry box, delete the current name, and enter the first letter of a previous name. All previously entered names beginning with that letter will appear. Click a name to append it to the current field.

- **Select – Sample ID and Supplier**

Data entry for up to six strips can be done prior to scanning if your workflow demands it. The select field defaults to a single test sample (1 Sample ID and Supplier per scan), but if you are running multiple samples from different suppliers simultaneously, you may enter up to 6 sample IDs and suppliers using this drop-down menu. Enter the same number of Sample IDs as test strips, otherwise the information will not transfer to the results screen.



- **Sample ID and Supplier Fields**

Users can enter values into these entry fields to assign a unique identifier to each sample and denote its supplier origin. Unlike Operator and Location, these fields reset between scans to preserve data accuracy during high volume testing.

- **Calibrate**

Click the “Calibrate” button to calibrate the unit. Each calibration is recorded in the DataLog to document performance and quality of the system.

- **Clean Test**

Clicking the Clean Test button starts a procedure to determine whether dust or debris has entered the scanning area, potentially affecting test results. (See p. 26, Cleaning And Servicing for more info). Clean Test results are also recorded in the DataLog to document operating performance of the system.

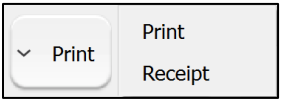
DataLog

The “DataLog” button allows quick access to all test results stored locally on your control unit. DataLog files can be edited, viewed, saved, printed, or deleted by choosing the appropriate function within the DataLog Viewer. Selected rows can be saved, printed, or deleted. Also, PDF Reports can be created, viewed and printed. (For more info, see p.23, DataLog)



- **Explore Reports**

To search for a report, click the **Explore Reports** button – this will open the *C:\EnviroLogix\QuickScan\Reports* folder. To view a specific report, highlight a row from the desired report. The "Explore Reports" button will convert to a "**View Report"** button, which you may click to view the report (See "Print Report" for more details.)

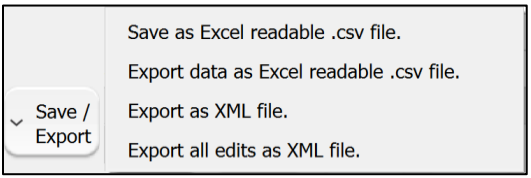


- **Printing Reports**

To print a Report, highlight a row from the desired report and click the "**Print**" button (or, right-click the "Print" button to open the menu). A dialog window will ask if you wish to print DataLog rows or PDF Reports. To print a receipt, highlight a row from the desired report and right-click (or right-click) the "Print" button and select "Receipt." (To set up a printer, see the next section.)

- **Updating DataLog**

To make edits, click the box where the change is to be made and edit the content. Only columns in white (entry fields) are editable; gray columns cannot be edited. To save edits, click the "**Save Edits**" button. If using TotalHub, "Save Edits" will generate a new .xml file which will export when the "Close" button is clicked.



- **Saving / Exporting the DataLog (.csv)**

To save the DataLog or selected rows as an Excel®-usable file, click the "**Save / Export**" button (or right-click the "Save / Export" button to open the menu and select "Save as Excel readable .csv file.") A dialog will open to select file location and name. The existing DataLog in the QuickScan program will continue to accumulate data unless deleted, in which case a new DataLog will begin. To automatically save the entire DataLog as an Excel®-usable file, right-click the "**Save / Export**" button and select "Export data as Excel readable .csv file." The file will be saved in the "Export Path" location (*C:\EnviroLogix\QuickScan\Export* is the default). Note that this option is not available if using TotalHub.

- **Saving / Exporting the DataLog (.xml)**

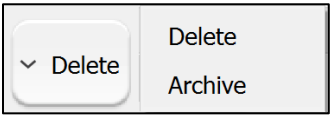
To export data as an .xml file, highlight rows, right-click the "**Save / Export**" button and select "Export as XML file." To export all edited data as an .xml file, first click the "Save Edits" button, then right-click **"Save / Export**" and select "Export all edits as XML file." Note that this option is not available if using TotalHub (xml files are auto-exported when "Save Edits" is clicked).

- **Creating PDF Reports**

To create a new or revised PDF report, save desired edits in the DataLog, click a cell in the section from which you wish to generate a report, then click "**Create Report**." A new report will be generated containing all rows of data from the same scan (timestamp). New reports will not contain strip images. Original reports will continue to exist with the images.

- **Printing or Deleting DataLog**

Print or delete the DataLog by clicking the "**Print**" or "**Delete**" buttons. To print or delete a subset of rows, highlight the desired rows prior to clicking "Print" or "Delete." Orientation of the DataLog when printed (Portrait or Landscape) can be selected in the *Settings* tab. Users may also right-click the "Print" button to print receipts.



- **Archiving DataLog**

To archive older data in the DataLog, right-click the **Delete** button and select "Archive" - a calendar will appear. Use the black and/or green arrows to select desired date – all data prior to this date will be archived and removed from the DataLog. All data after and including this date will remain in the DataLog screen. Click the **Archive** button to activate; program will automatically create an archive file in the DataLog path folder and return to the DataLog screen. Click **"**Exit" to do nothing. To save the archived file as an Excel-readable file, use the "Open" button to view and click "Save / Export" button. Note: you cannot select the oldest nor the newest date in the DataLog for archiving, and there must be at least 3 different time stamps in the DataLog. (For more about the Archiving, see 24)

- **Modifying Language**

If column header titles are changed or a new Language is selected (in *Settings* tab), the changes will occur in the DataLog immediately. As backup, the program will automatically save a copy of the DataLog prior to the changes.

- **Selecting, Sorting, and Filtering the DataLog**

Note: to unselect highlighted rows, click the rows while holding down the <Ctrl> key. To sort the DataLog, click the **search icon** in the upper left corner. Alternatively, right-click the mouse on a column title to generate row F. Enter

the term you wish to sort under the appropriate column title and click the "Enter" key. To save just the sorted data, highlight the rows, then click the "Save / Export" button. To filter out rows missing required data for export to TotalHub, click the **Filter Alerts** button. Cells with missing data will be highlighted in red.

Set Up

The **Set Up** button opens a window for optional settings as well as general QuickScan version information. QuickScan will open the tab that was last viewed.

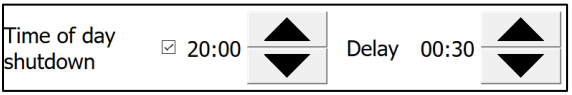
- **Settings Tab**

Printers to be used by QuickScan are selected using the drop-down menus for **Report Printer** and **Receipt Printer**. Any printer configured in the printers folder may be selected. If no Receipt Printer is selected, the Results screen will not show a "Print Receipt" button. The **DataLog Orientation** setting allows for the selection of Portrait or Landscape for the orientation of the DataLog when it is printed. The **Language** setting allows selection of English, Russian, Spanish, French, Chinese, Japanese, German, Polish, or Portuguese language. Use the **Export Format** drop-down to select the XML file type for exported files – with or without embedded images.

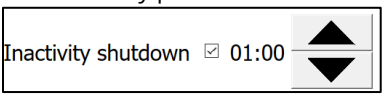
The **Export Path** button allows users to set the export location for the DataLog. It defaults to *C:/EnviroLogix/QuickScan/ Export*. Export files can be exported to a LIMS or LIMS-like system or sent to a https: address. If using the Export feature, use the **DataLog Path** button to set the path for the DataLog. The DataLog can be sent to a folder or network location. The default is *C:/EnviroLogix/QuickScan/Export*. The **Report Path** button allows users to select a location where PDF reports are saved. Its default location is *C:/EnviroLogix/QuickScan/Reports* but it can be changed to any folder or network address. Important: do not set Export, DataLog, or Report locations to *C:/EnviroLogix/QuickScan/Log* as files in the Log folder are automatically removed when QuickScan software restarts.

The **Result Screen Size** setting allows selection of the grid and font size in the Results table and DataLog. The **Receipt Print Size** setting defines the font size used on printed receipts. The **Widget Height** setting allows selection of height for input fields.

Time of day shutdown selects the time each day the unit will be automatically powered off. A delay can be set for a period of inactivity before scheduled shutdown.



Inactivity shutdown selects the period of inactivity before the unit will be automatically powered off.



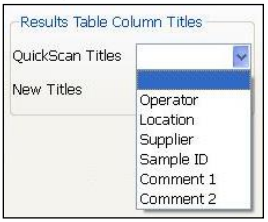
Daily Clean Test / Check Comb Message is set "on" – users will see a daily reminder at 8:00 AM or upon startup thereafter to execute a Clean Test and Check Comb scan. Changes to the time of the reminder can be made in the *Settings* tab; it is recommended that this be set so that the message is delivered upon the initial startup each day. Check the **Forced** box to require a Clean Test and Check Comb scan to occur at the designated time; if checked, the program will not allow other actions to occur until the maintenance is complete. Or uncheck both boxes if no daily reminder is desired (not recommended).

The **Field Separator** setting applies punctuation to test data exported via the Export Log function, and can be set to a comma or semi-colon. The **Decimal Point** setting applies to the punctuation used in fractional numbers. (e.g. change 4.2 ppm to 4,2 ppm)

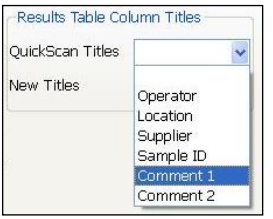
The **Results Table Column Titles** setting allows the user to edit column names. To change a title, select the original title from the QuickScan Titles drop-down, then edit a new title into the New Titles box. To remove a column from the Results table, delete the text in the New Titles box. Changes will occur in the DataLog and Results screens immediately; there is no need to delete the DataLog or to restart the program. As backup, the program will automatically save a copy of the DataLog prior to changes.

Example – modifying the title of Comment 1 column

1) Drop-down menu:



2) Select Comment 1:



3) Comment 1 appears in New Titles box:



4) Delete "Comment 1":



5) Type in your new title:



6) New title in Results screen:



Note: if you leave the New Titles box blank, then the column is removed from the Results screen. Do not remove the Sample ID column – you must enter it to save or print results. You can also enter pre-defined drop-down menu items for select column headers. For example, select Comment 1, and an entry box will appear next to "Entries." These entries will appear in the drop-down menu for that column in the Results screen.

The **Branding** button is used for manual installation of software updates. Save the ".branding" file to the desktop or designated folder. Open the QuickScan program and click the "Branding" button. Navigate to where the file is stored and click "Open," then click "Ok." The program will automatically restart and install the update.

TotalHub is a cloud-based data management system that will allow you to view results, analyze trends, and create reports for QuickScan and TotalTest Labs data. Please contact your Sales Representative for more information.

TotalHub Connection Alerts, check the "Disable Alerts" box to stop "Failed to export to URL" pop-up notifications. These notifications occur when the QuickScan loses internet connection and cannot export files to TotalHub; these alerts can be numerous. The number of files waiting to export will appear on the "DataLog" button; this number will count down then disappear once connectivity is restored and files are exported.

Default Weight / Default Supplier – enter a default weight and/or supplier, the program will auto-fill these into the fields in the results screen.

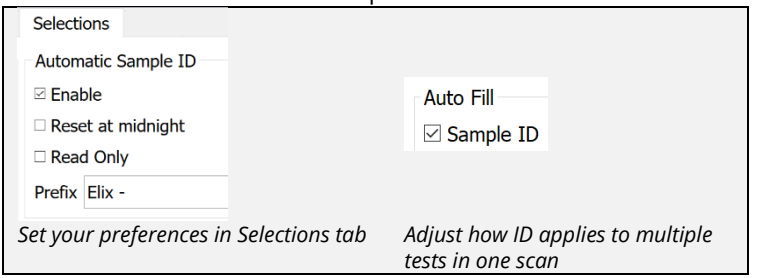
- **Selections Tab**

AutoFill selections. Rather than re-enter the same information for each strip in the Results screen, enter it once, click "Enter," and the program will automatically fill all rows with the same information for you. This feature will occur only to those entry fields you select.

Automatic Sample ID creator. Instead of inventing your own Sample ID's, let QuickScan software assign one for you. Once turned on, it will automatically fill in an ID of "1" on the next sample run. You can add a custom prefix to that Sample ID number if you'd like; for example, your facility nickname, city, custom location identification, etc. And you can either let those numbers continue to run or reset at midnight to restart at 1 for the next day. Note that if Sample ID is entered on the main screen, it will override the Automatic Sample ID, but can be edited in the results screen.
Under *Selections* tab, check **Enable** under Automatic Sample ID to activate. Add your desired **Prefix** here (if any), and whether you want the number to reset at midnight. Check **Read Only** if you do not want the Sample ID to be editable in the results screen. Note that the Sample ID will be editable in the

results screen if a Sample ID was entered on the main screen. Note that Sample ID is not editable if you are using TotalHub.

Enable will assign a unique number to each strip within a scan. If you prefer to have one Sample ID assigned to, for example, a TotalTox Comb which contains 3 or 4 different mycotoxin tests, you can go to *Selections*, **Auto Fill**, and check the box next to "Sample ID."



Set your preferences in Selections tab *Adjust how ID applies to multiple tests in one scan*

If checked, the **View Only One PDF** option allows only one PDF file to be viewed at a time. Any previous PDF files will be closed before a new one is opened. The Sumatra PDF viewer must be set to this default: open a PDF file, select the menu icon, select "Settings," "Options…," then uncheck "Remember opened files."

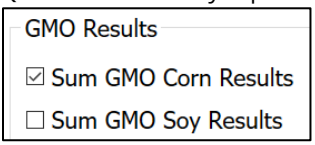
More Fields on Main: Now you can move your Sample ID and Supplier fields on the Main Menu screen and enter this data before scanning the test strip. This can be beneficial to the workflow, as this information can now be entered while waiting for the strip's run time to be complete. To enable this function, go to the *Selections* tab and check the **More Fields on Main** box. You will then see the two additional fields on the Main screen, enabling data entry prior to scanning a test. After exiting the Results screen, the "Sample ID" and "Supplier" cells will be blank. (Operator and Location will still retain the previously entered items).

QSS On-Screen Keyboard: select to activate the QSS keyboard when entering data into user fields. **OS On-Screen Keyboard**: select to activate the Operating System keyboard. Both the QSS and OS boxes must be checked to use this keyboard. **Mouse Scrolling**: select to easily move the DataLog and Results screen grids using a mouse or on-screen touch. **Exit to Shut Down**: select to power down the QuickScan program and unit when clicking the "Exit" button on the main screen. **Record All Results:** specifies that strips with error messages are recorded in the DataLog and Report. **Always Update DataLog:** will save all data to DataLog, even if no Sample ID is entered in Results screen. **Auto Save Reports:** automatically saves a PDF report for all scans if a Sample ID is entered. If this option is selected, the "Save Report" button will not appear in the Results screen. **Always Save Reports**: will save PDF reports, even if no Sample ID is entered in Results screen. **Auto Print:** will allow the program to automatically print PDF reports

when the “Close” button is clicked in the results screen. **Auto Export:** will automatically create export files. If not checked an “Export” button in the Results screen will allow the user to export data as desired. **Matrix Column**: if checked, will autofill the matrix, or provide a dropdown to select from. To manually enter matrices, uncheck the box.
The **Location = Program Key ID** will autofill the Location field with the Program Key ID or serial number of the QuickScan unit. If checked, the Location field will not be editable. By default, QuickScan prevents scanning and quantification of strips that are past their expiration date. Though not recommended, if desired, selecting **Ignore Expiration** will allow expired strip test results to be entered into the Datalog.

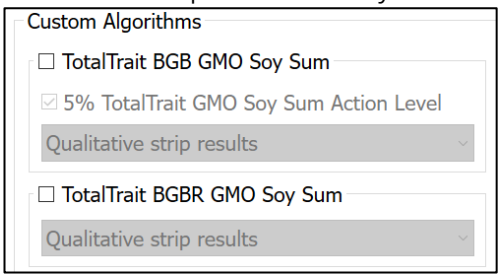
- **Results Tab**

GMO Results directs the software whether to sum the GMO results of a Quick Comb or only report individual strip results.

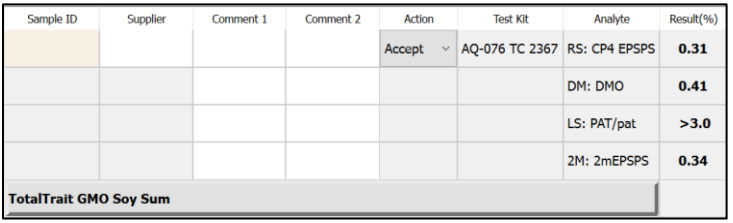


The **Sum GMO Corn/Soy Results** setting sums total the GMO results within a scan. GMOs from corn and GMOs from soy will be summed separately. Sum will appear in results table, DataLog, and report. For the purposes of summing the totals, <LOD is considered zero. *<LOD means "less than the Limit of Detection".*

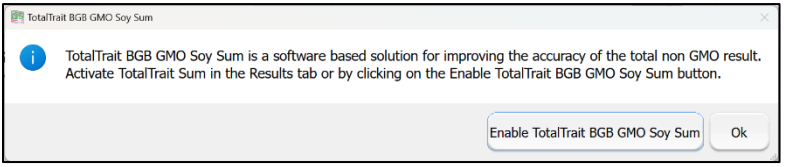
The **TotalTrait BGB/BGBR GMO Soy Sum** is used in conjunction with TotalTrait Comb for Soy to utilize a custom algorithm to more accurately determine GMO presence of today’s traits and varieties.



Using the TotalTrait Comb for Soy, QuickScan’s powerful integrated software can differentiate between stacked traits and return a result that more closely aligns with PCR. Activate by checking the **TotalTrait GMO Soy Sum** box in the *Results* tab. Or, to activate the TotalTrait GMO Soy Sum feature from the results screen, click the “TotalTrait GMO Soy Sum” button:



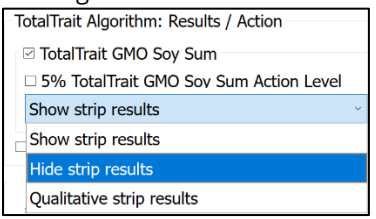
A message will pop up. Click "Enable TotalTrait GMO Soy Sum"



Results for the Legacy "GMO Sum" can be hidden by unchecking the **Sum GMO Soy Results** box in the *Results* tab.

5% TotalTrait GMO Soy Sum Action Level – Accept/Redirect algorithm with an acceptance threshold of 5% when using the TotalTrait BGB Soy Comb to align with Non-GMO Project Feed standards. This feature will automatically enter "Accept" or "Reject" in the Action column, based on the algorithm. Additionally, the program will show a dialog box indicating the "Redirect" Action was triggered and results may exceed 5%. The sum will show ≥ symbol and indicate Result may exceed 5%.

Qualitative strip results drop-down – quantitative, hide, or display only Positive/Negative for individual strip results when using the TotalTrait GMO Sum algorithm.

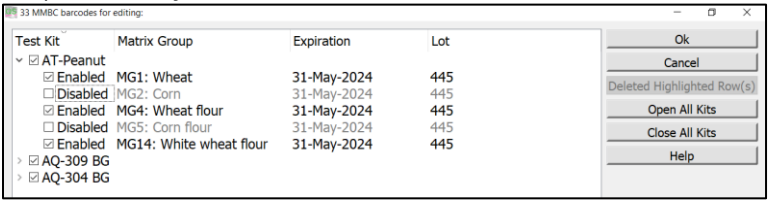


Enable automatic action for AQ-201 BGE strips – if enabled, the program will automatically fill in the Action column in the results screen.

Use LOQ (sensitivity) for BGBR kits – if enabled, the program will not quantitate below the sensitivity defined in the product insert. If result is below the Limit of Detection (LOD), program will report "< LOD." If result is above the LOD but below the sensitivity, program will report "< LOQ."
The **Unit Conversions** setting will convert any results with ppm units (used with Fumonisin and DON) to results with ppb units. Or select to convert all ppb and ppm units to mcg/kg.

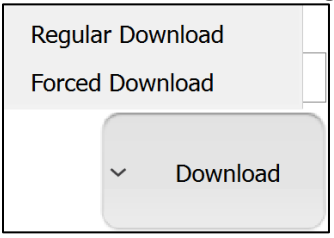
- **Details Tab**

The **Supported Test Kits** box shows the EnviroLogix test kits that are currently supported on the QuickScan System. Contact information for EnviroLogix Tech Support is provided. **QuickScan Tech Support** generates a compilation of data that can be emailed to EnviroLogix to help trouble-shoot customer questions. Click “Generate Report” to gather system information and to generate an image for the report. The program will automatically attach the report to an email (if available) or, the “debug.msg” file can be retrieved from C:\EnviroLogix\QuickScan. Check the **Matrix Card** box to view kits and lots that have Multi-Matrix Barcode Card data stored in the program. **Edit MMBCs**: enable, disable, or delete matrices from scanned MMBCs. Disabled matrices will be removed from the drop-down menu in the “Select A Matrix” screen but can be enabled again in the Details tab. Deleted matrices are permanently removed and cannot be retrieved.



- **Download Tab**

If updates are available, an "Updates to QuickScan are Available" window will appear when QuickScan is opened; simply click the “Download” button to download and follow the prompts to install. If this message is missed, click the “Set Up” button on the main screen and go to the *Download* tab. Right-click the “Download” button and select **Forced Download**. If QuickScan is not connected to the internet, updates and upgrades can be downloaded to a flash drive from the EnviroLogix website.



- **Cutoffs Tab**

By default, QuickScan software will display and record “Accept” on the Results screen. The Cutoff feature allows the user to select an Action other than “Accept” as the default when test results are equal to or greater than a user-defined upper cutoff level, or when results are equal to or less than the user-defined lower cutoff level. When the Cutoff feature is used, the program allows the user to select Accept, Pending, or Redirect as a default Action in the Results screen.

Cutoffs can be defined for each Matrix Group for each of the Mycotoxin test kits. The cutoff will be applied to each individual result within the results screen, even if multiple strips of the same test are scanned at one time. Thus, strips from multiple samples can be scanned at one time; and each one will be compared individually to its respective cutoff. Likewise, multiple Mycotoxin tests run and scanned from the same sample will be evaluated independently using the cutoffs for each mycotoxin.
For GMOs, the defined cutoff will be applied to the Summed GMO result within the scan, either for corn or for soy. Thus, when using the cutoff feature, strips from only one sample should be scanned at a time.
If multiple GMO test kits from the same sample are scanned at one time (for example, a comb and a single strip), the program will sum the results and display the same Action for each. Please note, to view the calculated GMO Sum, this option must be enabled in the Selections tab.

Upper cutoff levels met or exceeded will be flagged on the Error column's Results screen. A user-defined message (such as the default "Exceeds Cutoff") will appear shaded in red. Users can change the default error message in the Cutoffs tab. The Action column will display the default action selected by the user in the Cutoffs tab. Please note, the user can override the default Action in the Results screen by using the toggle.

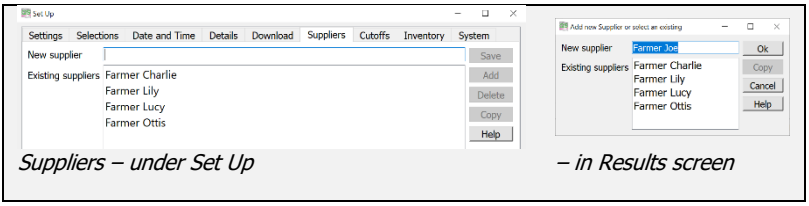
Lower cutoff levels met or below the cutoff will be flagged on the Results screen in the Error column. A user-defined message (such as the default "Below Cutoff") will appear shaded in red. When setting up cutoffs, a lower cutoff does not need to be defined nor used. However, you must define an Upper Cutoff level to also define a lower cutoff level.
Upon startup, the "Cutoff Log" will appear on the screen.

- **System Tab**

System tab allows for easy clean-up of unnecessary files. Select files to be removed, then click "**Delete Selected**" button. You can also select to only remove older files by checking **Keep Newer Files** then selecting a date. Files can also be moved to the Recycle Bin rather than deleted.

- **Fields Tab**

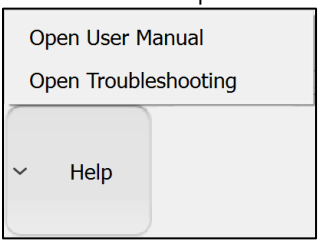
To help maintain accurate and consistent Suppliers, Locations, and Bins lists, entries can be added, edited, or removed. Especially when analyzing, reviewing and charting sample results by these fields, having them listed with multiple spellings is a major obstacle in clear understanding of your data. If you need to add, for example, a supplier in the middle of testing, on the Results screen you can add a new supplier. That entry will be added to the list of existing suppliers. A list of suppliers, locations, and/or bins can be imported into the program from a .txt or .csv file. Click the "Import" button to transfer the list.



Suppliers – under Set Up *– in Results screen*

- **Help**

The “Help” button activates an electronic version of the QuickScan User Guide, indexed by topic. It also provides contact information for EnviroLogix Customer Service. Each screen in the QuickScan program has a Help button. When the Help button is clicked, the program will open the file to the relevant section. Right-click or right-click the “Help” button in Set Up to access both the User Help Manual and the Troubleshooting Guide.



TIP: *any button with a menu arrow icon can be right-click for additional function.*

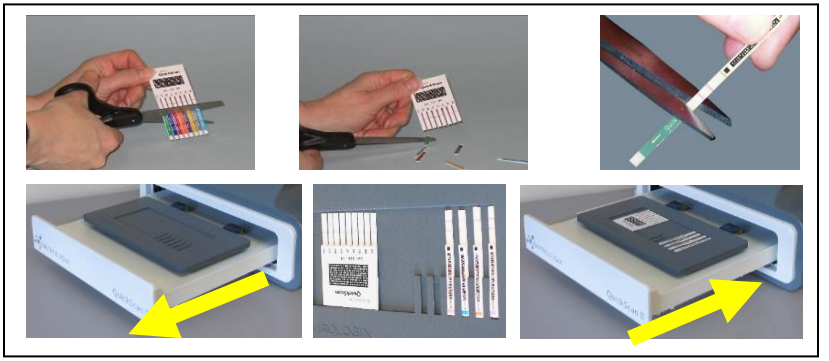
- **Exit**

If **Exit to Shut Down** is checked in the *Selections* tab, the “Exit” button closes the QuickScan application and shuts down the instrument. If not checked, the “Exit” button just closes the QuickScan application.

Reading Test Strips

- **Reading Test Strips**

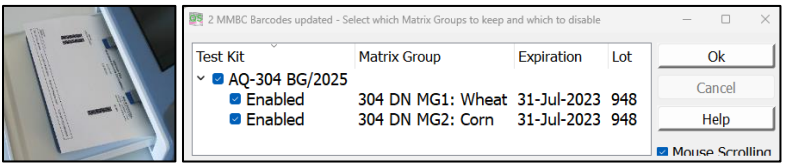
Test strips and combs must be read immediately after the required reaction time, i.e., while still "wet." (Details of test kit operation can be found in each Kit's Product Insert.) Before reading tests, verify or edit the operator/location information at the bottom of the Main Menu.



With scissors, cut the reacted test strips just above the colored arrow tape. Open the QuickScan drawer by pushing in the drawer face – it will pop open. Place single strips on the right side of the tray – slip them into the slots designed to hold the strips. The strips must be facing up, with the barcode end of the strip closest to you – the barcoded end slides into the strip slots. Place combs, also face-up, onto the left side of the tray. QuickScan can read various combinations of combs and/or strips simultaneously.
Press the drawer closed. From the Main Menu, click Read Test. The reading process will take several seconds before QuickScan advances to the Results Screen. At that time, remove strips from the tray in preparation for the next read.

Reading Multi-Matrix Barcode Cards (MMBCs)

Multi-Matrix Barcode Cards enhance the functionality of test strips by increasing the variety of matrices that can be tested with a single product. Unique standard curves are applied to each Matrix Group and are encoded as barcodes on the Barcode Card included in the kit box.

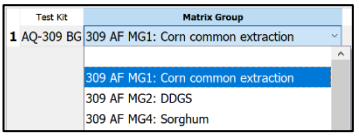


The curves must be uploaded into the program prior to running the test strips. To do this, open the drawer and slide the MMBC – face up – into the clips in the back of the drawer, close the drawer, then click “Read Test” from the QuickScan Main screen.

- **Physical MMBCs**

Once the unit has finished scanning the card, a dialog will appear indicating that the barcodes have been uploaded. Be sure to verify that all the barcodes have been uploaded by matching the Matrix Groups shown on the card to those shown in the dialog. Once barcodes are uploaded, they will remain permanently in the program’s memory, and thus the card will not need to be scanned again. Note: the Barcode Card will need to be scanned each time you receive a new lot of strips. The dialog will also allow you to select which

matrices you wish to keep enabled, and to disable any matrices you do not want. This selection can be changed in the Details tab. Once uploaded, the test strips can be scanned as described in the “Reading Test Strips” section. Before advancing to the Results Table, you will be prompted to select your Matrix Group. You will see an abbreviated Results Table with the “Test Kit” and “Matrix Group” columns:



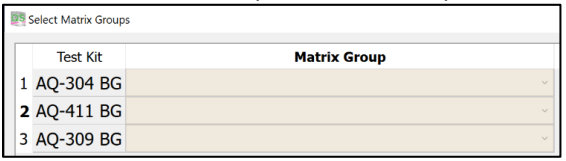
Select the Matrix Group for each strip from the drop-down menu in the Matrix Group column. For ease of selection, the matrices included in each Matrix Group are shown in the drop-down menu. Program will default to the previously selected matrix group for quicker processing. When all Matrix Groups have been selected, click the “Ok” button to proceed to the Results Table. Please note: you are not required to select a Matrix Group for kits that do not include Multi-Matrix Barcode Cards. You can also choose to remove all matrices from the drop-down menu that were not selected by checking the ”Only keep selected matrix in drop-down list” box. Next time a strip is scanned, the program will bypass this screen and go directly to the results screen. You can always reactive matrices in the Details tab.

- **Digital MMBCs**

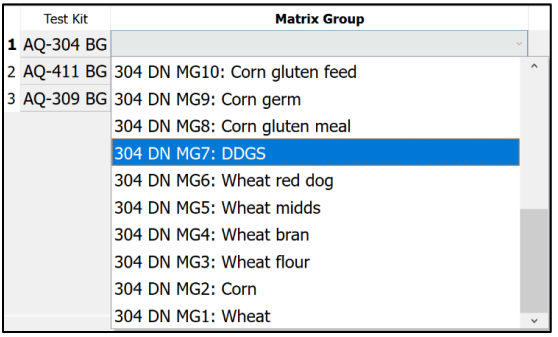
If the QuickScan unit is connected to the internet, and strips are scanned that are missing MMBC data, the program will automatically download the MMBC data and display a dialog indicating that the barcodes have been uploaded. Note: if the kit is expired, all the Matrix Groups shown in the “MMBC Barcodes updated” dialog will be crossed out, and data will not be saved.

Select Matrix Groups

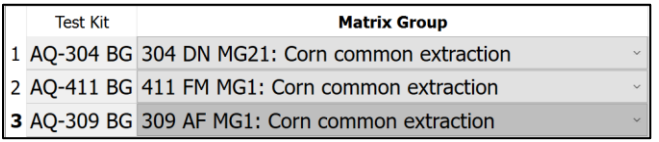
The Select Matrix Groups screen will require a matrix to be selected:



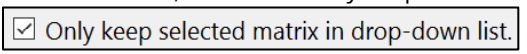
For each Test Kit, click the orange box in the Matrix Group column to open a drop-down menu:



Select a matrix for each row, then click the Next button.



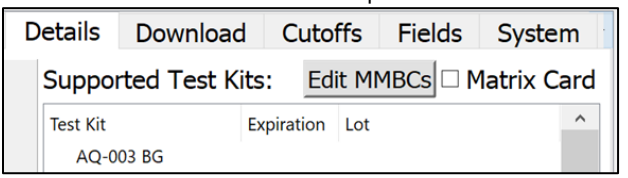
The program will default to the selected Matrix Group the next time strips are scanned from the same lot. To remove all matrices from the list except for the selected, check the "Only keep selected matrix in drop-down list." box:



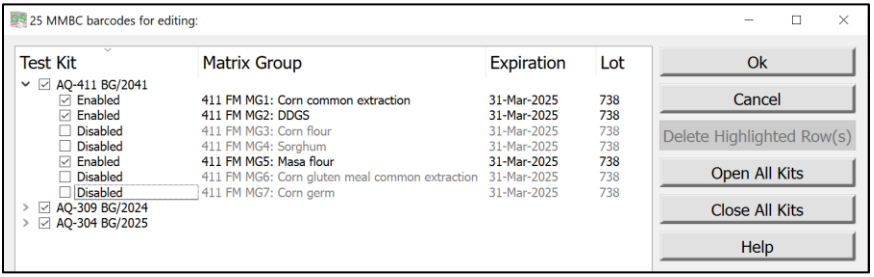
Next time strips are scanned, the program will skip the Select Matrix Groups screen and move directly to the results screen. Note: matrices can be re-enabled in the Details tab.

Managing Multi-Matrix Barcode Cards

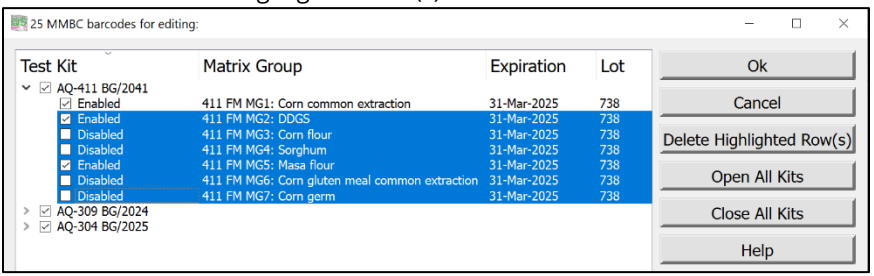
Matrices can be disabled, re-enabled, or even deleted. Click the "Set Up" button on the main screen and open the *Details* tab:



Click the "Edit MMBCs" button to view existing kits. To view all Lots and Matrix Groups, click the "Open All Kits" button. Or select one kit to open by clicking the small arrow to the left of the Test Kit name:



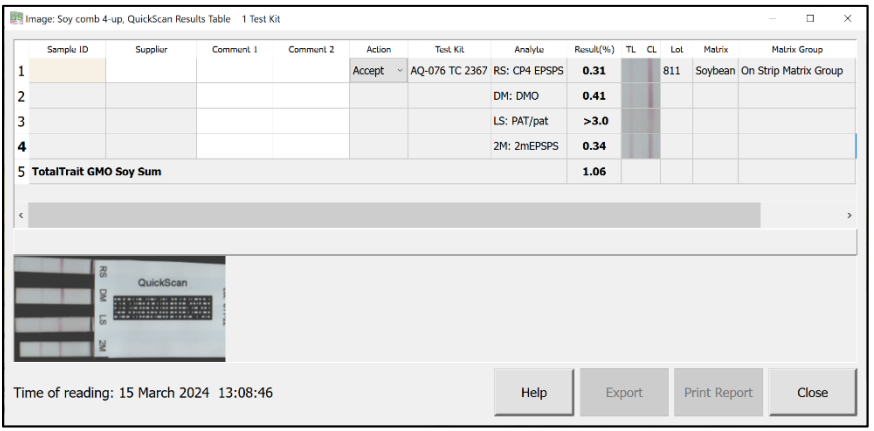
Enable and/or disable matrix groups as required. Click “Ok” to save changes. To permanently remove matrix groups, highlight the rows to be removed and click the “Delete Highlighted Row(s)” button:



Click ”Ok” to delete. Note: once deleted, the matrices cannot be retrieved (the MMBC must be rescanned).
Hint: uncheck the “Mouse Scrolling” box to highlight rows using the mouse.

Interpreting Results

Following the reading process, test results are automatically displayed in a separate Results Screen. The screen features a Results Table, an image of the scanned strips, and utility buttons for recording and documenting test results:



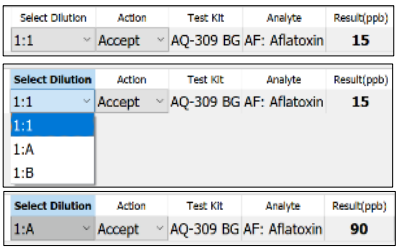
- **Results Table**

QuickScan generates a table that matches the analyte or compound tested with the corresponding test result. Results are presented in a quantitative range specific to each test, and in measurement scales applicable to the target. For example, the measurement scale for GMO strips is percent (%) while the scale for mycotoxins is ppb or ppm.

For GMO tests, results will fall between <LOD (the limit of detection) and the upper limit of the quantitative range. (See the Product Insert for each test kit for more detail.) If "Sum GMO Results" was selected in the Set Up, the program will automatically calculate the GMO total and display it in the last row of the Results Table.

For mycotoxin tests, the results will fall between <LOD (the limit of detection) and the upper limit of the quantitative range. A "Select Dilution" column will appear in the Results table. Select 1:1 for samples run in the standard test protocol, or select the appropriate dilution for high samples that are further diluted. (See the Product Insert for each test kit for more detail.) Please note, do not use the "Select Dilution" function for results that are <LOD.
Calculation of test results is determined by measuring line intensities of each strip. The calculation uses lot-specific standard curves embedded within the barcodes for each strip lot. This mathematical procedure is unique for each analyte or compound being tested.

More about "Select Dilution": If you run a mycotoxin test kit with a high result, it can be further diluted, as per the Product Insert.
For example, Aflatoxin – if no dilution was made, leave the selection at 1:1 (1 part in 1), or neat. The final result is 15ppb.

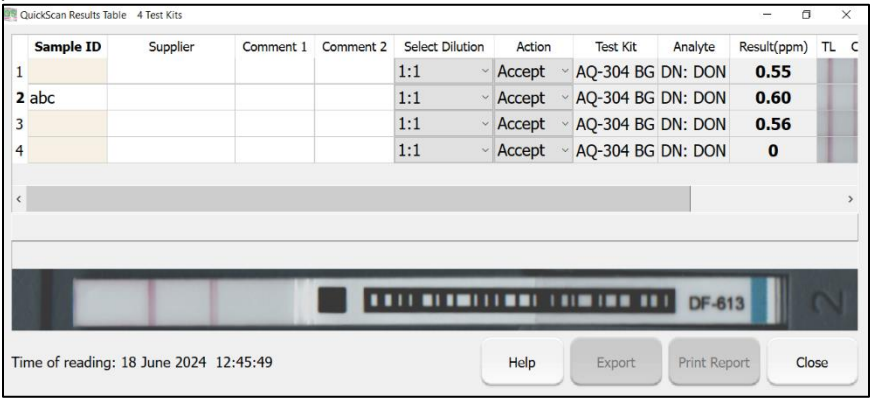


If a dilution was made as per the Product Insert, click the down arrow in the Selection Dilution field. Choose the dilution, as instructed, from the drop-down menu, in this case 1:A. The program will then automatically calculate the result. (In some cases, the dilution pulldown menu will display a number such as "1:6")

The Results Table features several user-input options, intended to enhance the traceability of deliveries or shipments. A drop-down menu for the user-entry columns will remember the last 30 entries made. Previous entries can be selected without re-typing them. The entries in the drop-down menu for Supplier, Location, and Bin can be deleted in the "Fields" tab in Set Up. The entries in the drop-down menu for other fields can be removed by holding the Control key, arrow down to the item you wish to remove, and hitting the Delete key. Please note: if entries are defined in the Results Table Column Titles section of the Settings screen, they will re-appear in the next scan even

if they are deleted here. If multiple test kits are scanned at one time, the program can autofill the entries for all kits after the first has been entered. You can override the autofill by re-entering the desired text in the appropriate box. (See "Operation, Setup" for detail on Results Table Column Titles.)

A scale-ticket number or trace identification number can be entered into the box directly under the "**Sample ID**" header. A supplier name or number can be entered directly into the box under the "**Supplier**" header. Notes or comments can be added to the "**Comment 1**" and "**Comment 2**" columns. (See "Operation, Setup, Results Table Column Titles"). The operator can select Accept, Redirect or Pending (for the materials being delivered or shipped) in the drop-down box directly under the "Action" header. QuickScan software defaults to Accept. If using TotalHub, there is no default for "**Action**" – you must select. The matrix tested will be added to the "**Matrix**" column automatically. "**Weight**" and "**Bin**" columns are added if using TotalHub. "Weight" – shown as the weight unit selected in the Settings tab - is a required field. If more than one strip has been loaded into the tray, scroll down the rows to view the image of the strip for that row of data. The image will show the strip's position in the tray; i.e., highlight row 2, see the image in position 2:

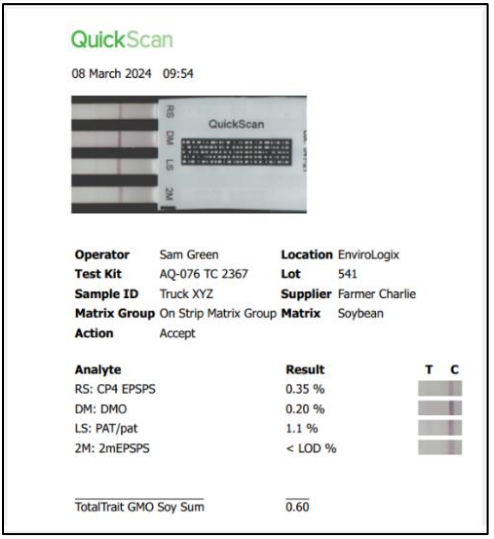


The QuickScan Results Screen provides a digital image of the scanned strip or comb. The image shows the identification label / barcode on the strip, test lines, and the strips themselves.

- **Save Report Button**

  The "Save Report" button saves test results, sample identification data, and an image of each scanned strip or comb into a .PDF file. Reports can be accessed from the DataLog on the Main Menu and are stored in a subfolder

within the QuickScan directory: C:\EnviroLogix\QuickScan\Reports.


QuickScan

08 March 2024 09:54

QuickScan

Operator	Sam Green	**Location**	EnviroLogix
Test Kit	AQ-076 TC 2367	**Lot**	541
Sample ID	Truck XYZ	**Supplier**	Farmer Charlie
Matrix Group	On Strip Matrix Group	**Matrix**	Soybean
Action	Accept		

Analyte	**Result**	**T**	**C**
RS: CP4 EPSPS	0.35 %		
DM: DMO	0.20 %		
LS: PAT/pat	1.1 %		
2M: 2mEPSPS	< LOD %		
TotalTrait GMO Soy Sum	0.60		

Reports in the folder can be identified by time and date saved and by the Sample ID assigned to a test. Reports can be opened, printed or emailed at any time. A Sample ID must be entered in the Results Table to create a Report unless "Always Save Reports" is checked in the Selections tab. The "Save Report" button is removed from the results screen if "Auto Save Reports" is checked in the Selections tab.

Each report consumes about 130 KB of hard disk storage. Each 1 GB of storage can hold nearly 7,700 reports. QuickScan II is shipped with approximately 15 GB of storage, capable of holding over 100,000 reports.

- **Print Report Button**

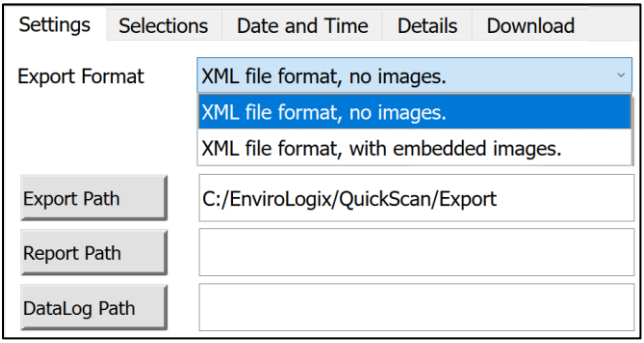
  Pressing the "Print Report" button sends the Report file (see Save Report above) to any printer selected from the QuickScan configuration window. Available printers are the same as those configured on QuickScan. A Sample ID must be entered to print. Unless the "Auto Save Reports" utility has been activated, however, the content of the printed report will not be permanently saved in the Report folder. If the "Auto Print" utility is active, then the "Print Report" button is removed.

  Print Receipt

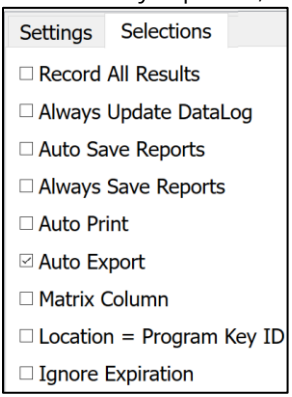
  "Print Receipt" sends an abbreviated Report file to any thermal printer selected from the QuickScan configuration window. The printed receipt does not include an image of the tested strips. (See Print Report above for more information.) The "Print Receipt" button only appears if a receipt printer was selected in the *Settings* tab.

- **Export**

  Click the "Export" button to create an export file. Export file type can be selected from the Export Format drop-down located in the *Settings* tab:



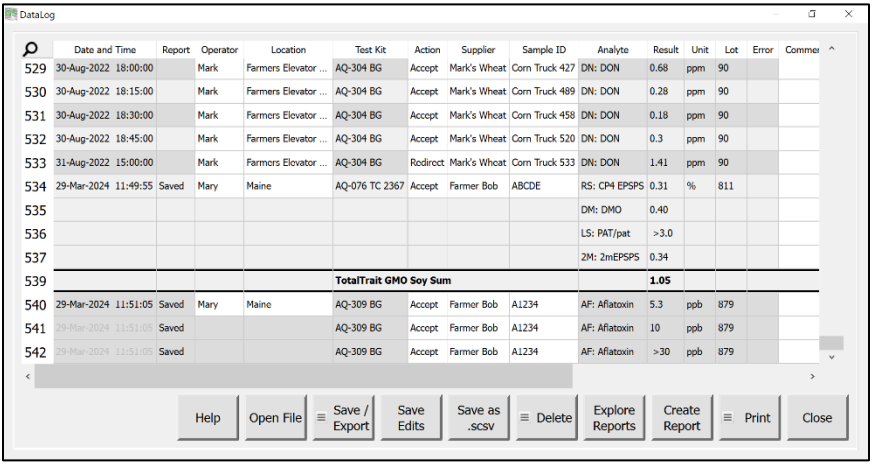
Export files can be exported to a location defined using the "Export Path" button in the *Settings* tab. If no file path has been defined, then exported files will populate in *C:\EnviroLogix\QuickScan\Export* by default.
If **Auto Export** has been checked in the *Selections* tab, then export files are automatically exported, and the "Export" button will not be shown.



- **Help**
  The "Help" button activates an electronic version of the QuickScan User Manual, indexed by topic. It also provides contact information for EnviroLogix Customer Service.

- **Close**
  Pressing the "Close" button closes the Results Screen and removes options to save or print reports. Closing the results screen without having entered a Sample ID or other required fields will generate a dialogue box warning depending on selections made in the *Selections* tab. These warnings can include that the DataLog will not be updated, a PDF report will not be generated/printed, and/or data will not export.

- **DataLog**



Clicking the "Close" button in the Results Screen will automatically save test results to the DataLog. *The exception to this rule occurs when closing the Results Screen without entering a Sample ID unless "Always Update DataLog" is activated in the Selections tab.*

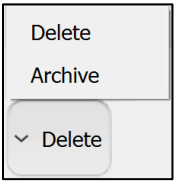
This file contains all test results from all test strips read on the QuickScan unit. Data is stored in the QuickScan directory *C:\EnviroLogix\QuickScan\Export* (unless the file path was changed in the *Settings* tab). It can easily be accessed by clicking the "DataLog" button on the Main screen. This opens the file in a friendly format for analysis, printing, or archiving.

For more information about the DataLog, please see DataLog, p. 4.

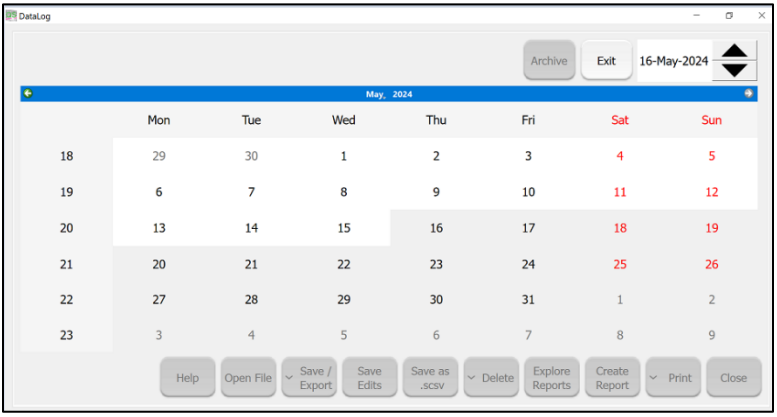
WARNING: Although the file may also be opened by other programs that recognize a .csv format such as Microsoft Excel, the data log file **must not** be in use or open with these other programs when the QuickScan Reader is in operation. The data file will be locked and all subsequent results **will be lost.** Use the "DataLog" button to save this file elsewhere if needed.

- **Archive**

The DataLog should be archived regularly. Archive the entire DataLog using the "Save / Export" button. Or, split the DataLog – archive older data while keeping new data in the DataLog screen. To do this: Right-click the "Delete" button and select **Archive** from the menu:



A calendar will open:



Use the black arrows above the calendar, or the green arrows in the month title bar, to toggle to your desired date.
Select a date – all data prior to this date will be archived and removed from the DataLog. All data on this date and newer will remain in the DataLog.
Once the desired date is selected, click the "Archive" button. The program will automatically create an archive file and return to the DataLog screen.
The archived file will be in the same location as the DataLog. By default, this location is *C:\EnviroLogix\QuickScan\Export.* Note: to exit the calendar screen without splitting the DataLog, click the "Exit" button.

To save the archived file as an Excel-readable file, use the "Open" button in the DataLog screen to open the archived file. Click the "Save / Export" button to save as a .csv file.

Note: You cannot select the oldest nor the newest date in the DataLog for splitting. There must be at least 3 different time stamps in the DataLog to split.

Barcode Labels

EnviroLogix QuickStix, QuickTox and QuickComb Test Kits are manufactured with QuickScan barcodes. These barcodes are critical components of the measurement and traceability system. Barcodes contain:

1. A product code that identifies each test strip.
2. A manufacturing lot number of the test kit.
3. Parameters for the lot-specific standard curve, used by QuickScan to interpret the scanned image quantify the test results.
4. Expiration date of the kit.

During operation, QuickScan sees the barcodes before reading the test lines, automatically identifying the information needed for processing. The barcode is specific to each manufactured lot and incorporates changes in test strip configuration and standard-curve parameters, providing greater

precision and reducing the need for on-site system upgrades or re-calibrations.
Importantly, barcodes should not be removed from the strips, and should not be shared or exchanged across different strips. Altering the barcode in any way will affect performance of the QuickScan System. When processing strips, barcodes should be free of dirt, debris or liquid from the test sample. QuickScan will process the test strips in the table below. Some of these tests may be configured as a QuickComb, which combines many strips under a single barcode label.

Test Strip / Trait / Analyte		ID on Barcode	Test Strip / Trait / Analyte		ID on Barcode
GMO CORN	Cry1Ab	C1	GMO SOY	CP4 EPSPS	RS
	CP4 EPSPS	RR		PAT/*pat*	LS
	Cry3Bb	C3		Cry1Ac	1S
	Cry1F	1F		DMO	DM
	PAT/*pat*	LP		2m EPSPS	2M
	Cry34	34	GMO CANOLA	CP4 EPSPS	RC
	mCry3A	3A	GMO HAY	CP4 EPSPS	RH
	Cry2A	C2	MYCO-TOXINS	Aflatoxin	AF
	Vip3A	VP		DON	DN
	eCry3.1Ab	E3		Fumonisin	FM
	AAD-1	A1		Ochratoxin	OA
	Enogen	EN		Zearalenone	ZN
				T2/HT2	T2

If barcodes cannot be read, QuickScan will generate an error message in the Results Screen. (See Error Messages for more information.)

QuickScan Check Comb

Included in your accessories is a Check Comb, used during installation to ensure the system is functioning normally. It can also be used by customers to document consistency and proper performance. To use, insert and read the comb as a normal Quick Comb. “Check Comb” will automatically appear in the Sample ID column.
The program automatically indicates if the results fall within the Expected Values. If "OK" does not appear for any value in the Results column, contact Technical Support for assistance.
To ensure long-term stability and performance of the Check Comb, do not expose it to direct sunlight or dirty environments. Store it in the bag provided, in a drawer away from strong light. Check Combs will continue to produce Line Intensities within the expected values for at least five years if stored under these conditions. Mark the back of the Check Comb with the date received if needed.

Cleaning And Servicing

QS Connect is designed to minimize dust or debris from entering the scanner area and interfering with the reading of test strips. It is important to keep the scanner drawer closed when not in use. In addition, the following equipment checks and cleaning steps are recommended.

- Periodically examine the scanner surface for visible debris or markings. If the surface appears dirty, clean the glass plate as described above. If the scanner surface has been scratched or cracked in any way, contact EnviroLogix Technical Support.
- Periodically inspect the tray for debris and any signs of damage. Gently brush or wipe away any buildup of sample material.
- At the start of daily operation, run a Clean Test procedure. Place the supplied white card into the clips in the back of the drawer and close the drawer. Press Clean Test on the Main Menu. Wait about 15 seconds. Any dust or debris on the plate will be displayed in the Clean Test results window, indicating a need to clean the surface. Running a Clean Test will save the results in the DataLog indicating the date and a report of the cleanliness of the screen as a function of occluded pixels called clusters.

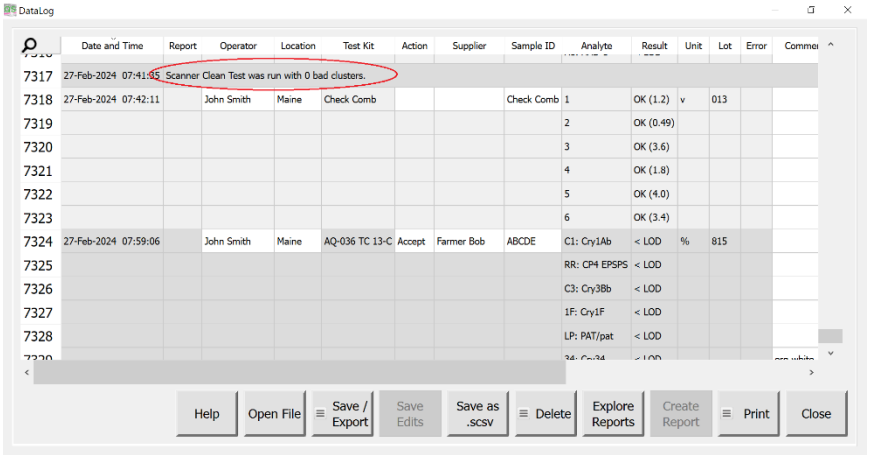
Examples of CleanTest results



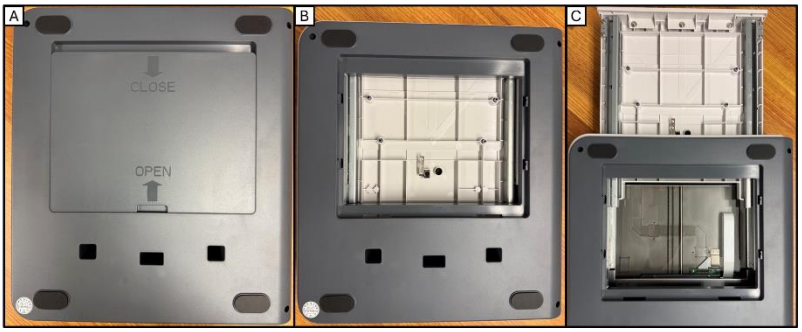
clean result / 0 bad clusters



visible debris / many bad clusters



To access the scanner glass, remove the tray from the drawer, power off QuickScan and unplug. Gently invert the unit and remove the plate on the bottom (A-B). Open the drawer completely (C). Using a soft, lint-free cloth, like a microfiber cloth, wipe off any dust from the scanner glass. If the glass still has smudges or other contaminants, use a little bit of glass cleaner on a microfiber cloth and wipe the glass. Don't spray cleaner directly onto the glass. Do not use glass cleaners that contain acetone, ammonia, benzene, or carbon tetrachloride. Allow a few seconds' drying time before closing the cover. Clean Test results can be viewed with different backgrounds and pixel colors by toggling the radio buttons in the results window. Close window to return to the Main Menu.



When complete the cleaning process, ensure that you snap the cover closed tightly, sliding the tabs down into the slots securely. The cover should fit flush with the surrounding casing. Not doing so could result in inaccurate results.

Windows Operating System – To ensure that QuickScan is properly protected, make sure Windows Automatic Updates is turned on – If QuickScan is connected to the internet, this feature will automatically download and install updates to make sure your computer is up to date.

- You can set Active Hours to meet your specific needs: right click, or long press, on the Windows Start Menu, select 'Settings,' go to 'Update & Security,' and click on 'Change Active Hours.'
  - **Please note that it is your responsibility to make sure that the Windows Operating System on your QuickScan computer is up to date to ensure that it is properly protected.**

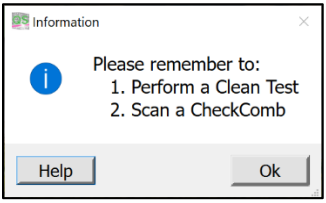
Daily Maintenance

Recommended daily maintenance:

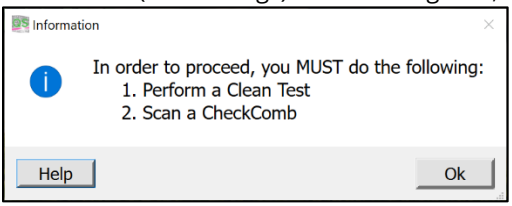
1) Calibrate the QuickScan unit using the "Calibrate" button on the main screen. A record of calibration will be stored in the DataLog.
2) Perform the Clean Test. Clean the scanner surface, place the White Card into the drawer and click the "Clean Test" button on the main screen. A record of the Clean Test will be stored in the DataLog.

3) Scan the Check Comb. Place the Check Comb into the tray and click the “Read Test” button on the main screen. Ensure that the results fall within the Expected Values range.

By default, the program will provide a daily reminder:



Daily maintenance can also configured as a requirement prior to operating the scanner (See Settings). When configured, users will see this pop-up:



Error Messages

QuickScan has internal diagnostic capability that detects scanning, processing or configuration errors requiring corrective action. The following table identifies common error codes and recommended corrective actions.

Error Message	Description	Recommended Action
E3 – Expired	Product scanned is past its expiration date	Rerun sample with test strips that are not expired
Scanning Failed	Unit is not recognized.	Restart the QuickScan System
Please re-insert strips, read again. Verify software version.	QuickScan did not read the barcode properly or cannot locate test strips in the scanning area.	Check that test strips have been placed correctly in the tray, that the barcode is in place, and that no debris is on the barcode or the scanning surface. Check for software updates.
E5 – Unknown Test	QuickScan did not recognize the test kit, and a software upgrade is probably required.	Check that the test strips have been placed correctly in the tray, and read again. If error message reoccurs, contact EnviroLogix Tech Service.
Various codes for control lines, test lines and background	Imaging software cannot read the strips properly. Flow of liquid sample up the test strip may have been impeded or failed.	Examine the test strips for proper flow. Check that the strips have been placed correctly on the tray. Consult test kit Product Insert for proper kit operation, as new test may need to be performed.
E30 – Outside image border	Test strips have been placed in tray incorrectly.	Reposition strips and read again.

Technical Specifications

QuickScan Connect System	
Specification	**Technical Parameter**
Testing Principles	Colorimetric measurement of EnviroLogix lateral flow test and control lines
External Ports	One USB-C port, for connection to external PC provided by end user. Peripherals, such as wireless mouse, keyboard, printer, and USB drives should be connected to the external PC.
Power Supply	100-240 V (AC)
Frequency Range	50 – 60 Hz
Current Rating	0.75 A @ 24V
Operating Conditions	For indoor use. To be placed on a stable work surface.
Temperature Range	15 - 30°C
Relative Humidity	20 - 80% RH
Length	34.3 cm
Width	38.1 cm
Height	10.1 cm
Weight	6.05 lbs / 2.75 kg

External PC System Requirements*	
Specification	**Technical Parameter**
Processor	2.0 GHz CPU processor
Storage	6 GB of hard-drive space
Memory	4 GB RAM minimum (Recommended: 8 GB or more)
Ports	2 USB-A
Keyboard	Standard 101/102-key keyboard
Screen	800x600 resolution and 16-bit color
Operating System	Windows 10 or Windows 11
Wireless Communication	Wi-Fi 802.11 a/b/g/n/ac/ax
Recommended Supporting Software	Standard web browser (Edge preferred) MS Excel for opening .csv documents Notepad for opening XML documents

** An external PC isn't provided with the QS Connect system, but it is required for its normal operation. Customers must provide a PC according to these requirements to run QuickScan Software which is required for operation of QS Connect systems.*

Environmental Requirements	
Specification	**Technical Parameter**
Degree of Pollution	PD 2
Operating Altitude	<2000 meters above sea level

Markings & Symbols

Symbol	IEC Identifier	Functional Description
	IEC 60417-5007	On (Power)
	IEC 60417-5008	Off (Power)
	IEC 60417-5031	Direct current
	IEC 60417-5926	Polarity of d.c. power connector

Safety And Precautions

	QuickScan is a dedicated instrument; all operations must be performed according to the manual. If not, the reader may be damaged, safety protections may be impaired and/or test performance may be negatively affected

	Risk of electric shock

1) QuickScan is a precision hardware system that combines a digital imager with proprietary software. Never attempt to dismantle the unit. There is serious danger of a powerful electric shock. Never attempt to alter the software or violate the end user license agreement.
2) QuickScan is rated for PD2 environments, such as laboratories and offices, where non-conductive pollutants may be found and temporary electrical failure due to condensation may occur.
3) Do not leave or operate the unit in locations exposed to direct sunlight.
4) Do not store or use the unit close to a flame.
5) Do not drop the unit or otherwise subject it to strong impact.
6) QuickScan contains precision electronic components. To ensure that scanning operations are performed correctly, do not subject the unit to impact or shock while a scan is being run.
7) To help prevent damage and/or loss of your test/sample due to power surges, fast transients and outages, it is recommended to use a surge protector.
8) Do not use or store the unit in very humid places; places subject to extreme temperature increases such as in direct sunlight, a closed car in summer, or extremely cold places; places subject to strong vibration; places affected by smoke or steam; places subject to strong magnetic fields (such as near motors, transformers, or magnets); sandy places, such as beaches or deserts, or places where there is wind-borne sand and dust.
9) Avoid moving the unit suddenly from a cold location into a warm location, as condensation may occur.
10) The unit should be cleaned on a regular basis, per the instructions provided in this User Manual.

Envirologix Limited Warranty

EnviroLogix Inc. ("EnviroLogix") warrants the QuickScan unit against defects in materials and workmanship, when used in accordance with the applicable instructions, for a period of 12 months from the date of shipment.
QuickScan is a precision testing system that requires very careful handling. This Warranty does not cover physical mishandling of the unit in any manner, including but not limited to, storage or operation in an unprotected environment, excessive exposure to direct sunlight, liquid spillage on any part of the surface or interior, objects falling on top of the unit and/or the unit being dropped onto the floor or any other surface from any significant height.
If the QuickScan unit does not conform to this Limited Warranty and the customer notifies EnviroLogix in writing of such defects during the warranty period and returns the unit to EnviroLogix for evaluation, EnviroLogix will repair or replace the unit at its option.
During the period of defects evaluation, EnviroLogix will swap the defective unit with a loaner unit from its loaner pool located at its Portland, Maine, headquarters. Upon completion of necessary repairs, or upon determining that a replacement unit will be provided to the customer, the loaned unit will be reverse-swapped with the customer's repaired unit or the replacement unit, as the case may be.

Customer Service

EnviroLogix maintains a dedicated field staff and in-house technical support. For QuickScan questions or problems, please contact the QuickScan Team at 866-408-4597 (US toll free) or 207-797-0300. Ask for technical support for QuickScan. Help is also available via email: techsupport@envirologix.com. Our Internet address is www.envirologix.com. Business hours are from 8 am to 5 pm EST Monday through Friday.

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