

# **User Manual Supplement**

Number: TB.526581.01 Effective Date: Aug 5, 2019 Supersedes: Technology Platform: 3M<sup>™</sup> Molecular Detection System Originating Location: St. Paul, MN

# 3M<sup>™</sup> Molecular Detection System Software 2.5.0.0 Upgrade/Installation Instructions

This document is a supplement to the 3M<sup>™</sup> Molecular Detection System User Manual. This supplement contains instructions for upgrading the 3M Molecular Detection System Software application to version 2.5.0.0. The upgrades provide the following necessary improvements:

- 1. SQL qualification to include default of SQL 2014 Server and compatibility with SQL Server 2016 and SQL Server 2017.
- 2. Enabling Automation-Support feature.
- 3. Addition of Signature module to Run Report.
- 4. Defaulting of import/export file location to public folder.
- 5. Enabling of "View Sample ID" on Results screen.
- 6. Bug Fixes / Security Enhancements.

# **Minimum Computer/Server Requirements**

- Microsoft® Windows® 7 (32- or 64-bit), Microsoft® Windows® 8 (32- or 64-bit), Microsoft® Windows® 8.1 (32- or 64-bit), or Microsoft® Windows® 10 (Ultimate, Professional, and Enterprise editions)
- Microsoft® SQL Server 2008; Microsoft® SQL Server 2012, 2014, 2016 and 2017.
- 2.0 GHz Intel Pentium 4 or similar/faster processor
- 2 GB RAM (4 GB size recommended)
- 20 GB free hard disk space
- USB 2.0

# How to Download the Latest Version of the Software

#### Software download page

https://www.3m.com/3M/en\_US/food-safety-us/support/software-support/

Navigate to 3M<sup>™</sup> Molecular Detection System Support

Click on the download software button to go to registration page

## 3M<sup>™</sup> Molecular Detection System Support



Log in to access software updates, downloads and resources for your 3M™ Molecular Detection System.

#### Fill in the info, select 3M<sup>™</sup> Molecular Detection System (MDS100) and submit.

**Download Software** 

Software Download Registration	
All fields are required unless indicated optional	
Business Email Address	
First Name	
Last Name	
Company	
Country	
Select One	$\mathbf{v}$
State/Province	
Select One	$\mathbf{v}$
Zip or Postal Code	
Business Phone	
Instrument type	
■ 3M <sup>TM</sup> Clean-Trace <sup>TM</sup> Hygiene Monitoring and Management System (LM1)	
■ 3M <sup>TM</sup> Molecular Detection System (MDS100) Select the software	
■ 3M <sup>™</sup> Petrifilm <sup>™</sup> Plate Reader (6499)	
Image: Image	
Stay current	
I would like to receive electronic messages from 3M Food Safety.	
3M takes your privacy seriously. 3M and its authorized third parties will use the information you provided in accordance with our Privacy Policy to send you communications wh may include promotions, product information and service offers. Please be aware that this information may be stored on a server located in the U.S. If you do not consent to this your personal information, please do not use this system.	iich use of

SUBMIT

After registration, an e-mail will be sent to download the software.



Click on appropriate button to download full installation or upgrade installation file. Select "Save As" and save file to PC Desktop

# Installation and Upgrade Instructions

It is strongly recommended to perform a database backup per the software user manual before upgrading from a previous version of the 3M Molecular Detection System Software. Close all open applications before starting the installation of 3M Molecular Detection System Software.

## **Upgrading from a Previous Version**

1. Locate

3M-Mds\_2-5-0-0\_August2019.exe file, right-click on the file and select Run as administrator or Run with Elevated Privileges to start the installation wizard.







3. Read the 3M End User License Agreement, and click the [I Agree] button to accept the agreement to continue with the installation.



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 The existing 3M Molecular Detection Software installation is detected. Reinstall is selected by default. Click [Next] to continue.

5. A list of existing SQL Database servers is provided on the Database Connection Settings screen. Select the intended SQL database server or enter the server name as "<Computer\_Name>\SQLMDS" if the intended Server Name is not populated. The default Use Windows Authentication should be selected.

- Click the [Test Connection] button to verify connection to the Server Name. If the test is successful, click [Next].
   If the connection fails, enter the <Computer\_Name>\SQLMLDS as the Server Name.
- •Note: Use existing database is selected by default to connect to the existing database and preserve the data. If this option is not selected and you want to use the existing database, check the box and select the Mds database from the drop-down list. If a 3M Molecular Detection Software database is present, but you would like to create a new database, uncheck this setting. This will erase all data in the existing database.
- Note that a warning might be displayed if the existing database is different from the new database. Click [Yes] to update the database

<br/>
Server Name:
Selver Authentication
User name:
Set Connection
Use







7. In the next three screens, the installation wizard asks for the Destination Folder, the locations for Application Shortcuts and the Start Menu Folder. You can modify the defaults for these fields if necessary however, the default values are recommended. Click [Next] to proceed through each screen.
a. Destinction Folder. This is the rest installation

Choose Install Location

Destination Folder

ice required: 1.1GB ice available: 67.9GB

3M Molecular Detection System Setu

Choose the folder in which to install 3M Molecular Dete

Setup will install 3M Molecular Detection System in the following folder. To install in a different folder, dick Browse and select another folder. Click Next to continue.

Browse...

< Back Next > Cancel

 a. Destination Folder – This is the root installation directory for the 3M Molecular Detection Software.

- b. 3M Molecular Detection System Application Shortcuts — These are the locations where the installation wizard will place the 3M Molecular Detection Software shortcuts.
- c. Start Menu Folder This is the location within the Start menu where the installation wizard will place the 3M Molecular Detection Software shortcut.
- d. Click [Install].

8. A progress bar is shown. Click

[Next] after progress bar is

Setup Wizard screen

 Click [Finish] when the installation wizard displays the Completing the 3M Molecular Detection Software

completed.



## **First-time Installation**

3M Molecular Detection System Software Version 2.5.0.0 is packaged with the Microsoft® SQL Server<sup>®</sup> 2014 Express database platform, required for data storage. SQL Server will be installed automatically for a new software installation, prior to the installation of the 3M Molecular Detection Software.

- After registration, click on DOWNLOAD FULL INSTALLATION button in the e-mail to download 3M-Mds\_2-5-0-0.ZIP. Save the file to desktop, extract the zip file and save contents to the folder 3M-Mds\_2-5-0-0.
- Locate the 3M-Mds\_2-5-0-0 folder, open the folder and right-click on the 3M-Mds\_2-5-0-0\_August2019.exe file and select Run as administrator or Run with Elevated Privileges to start the installation wizard.



 The Readiness Tool is presented. Click on the [Continue] button to proceed with evaluating that the computer system meets the minimum requirements for installation of the 3M Molecular Detection Software.

3M 3M Mole	cular Detection Syst	em - Readiness Tool X	3M 3M Molecular Detection System - Readiness Tool	×
	USER HARDWARE SOFTWARE DATABASE	CLOSE ALL OTHER APPLICATIONS BEFORE CONTINUING WITH THIS TOOL This Readiness Tool evaluates your computer system's readiness to install the 3M <sup>™</sup> Molecular Detection System Software. This tool: a. Evaluates if your computer meets the requirements for installation of the Software. b. Updates any computer settings and configurations needed for installation of the Software. c. Provides a list of additional actions required, if needed.	CLOSE ALL OTHER APPLICATIONS BEFORE CONTINUING WITH THIS TOOL This Readiness Tool evaluates your comp Time to prepare system will be approximately 3 minutes Select Continue to begin. If you do not wish to continue with system pre select Exit button.	eparation, kit
		Select the Continue button below to continue.	Select the Continue button below to continue.	
		Continue	c	Continue
			3M 3M Molecular Detection System - Readiness Tool	×
			SUMMARY           Computer Name: DESKTOP-6SHPF96         12/1:           1:13:04 PM         12	19/2017
			System ready for 3M Molecular Detection System software install	llation
Click	the [Finis	sh & Continue] to continue.	For more information see the detailed report	
			Desktop\3M MDS Readiness Tool/Report	
			Exit Finish &	Continue

4.	The Welcome screen is presented. It may take a few minutes for this screen to appear. Click [Next] to continue.	30 Molecular Detection System Setup     -      X      Welcome to the 3M Molecular     Detection System Setup Wizard     This wizard will guide you through the installation of 3M     Molecular Detection System.     This wizard will guide you through the installation of 3M     Molecular Detection System.     This wizard will guide you through the installation of 3M     Molecular Detection System.     This wizard will guide you through the installation of 3M     Molecular Detection System.     This wizard will guide you through the installation of 3M     Molecular Detection System.     This wizard will guide you through the installation of 3M     Molecular Detection System.     This wizard will guide you through the installation of 3M     Molecular Detection System.     This wizard will guide you through the installation of 3M     Molecular Detection System.     This wizard will guide you through the installation of 3M     Molecular Detection System.     This wizard will guide you through the installation of 3M     Molecular Detection System.     This wizard will guide you through the installation of 3M     Molecular Detection System.     This wizard will guide you through the installation of 3M     Molecular Detection System.     This wizard will guide you through the installation of 3M     Molecular Detection System.     This wizard will guide you through the installation of 3M     Molecular Detection System.     This will be available to update     relevant system files without having to reboot your     omputer.     Click Next to continue.     Molecular Detection     Molecular Detection     Molecular Detection     Molecular Detection     Molecular Detection     State of the system files     Molecular Detection     Molecular Detection     State of the system files     Molecular Detection     State of the system     State of the system     Molecular Detection     State of the system     Sta
5.	Read the 3M End User License Agreement, and click the [I Agree] button to accept the agreement to continue with the installation.	

a. SQL server installation will begin automatically if SQL database server is not detected on the computer and SQL Server 2014 will be installed. Do not click cancel button. The window will close after successful installation.

Microsoft SQL Server 2014 Express	X
Preparing: C:\Users\Public\3M\3M Molecular Detection System\SQL\1033\L705GF6	53.IF
Cance	el

b. Return to the 3M Molecular Detection System installation wizard after the SQL server installation screen closes.

< Back I Agree Cancel

6. Enter customer info, click [Next]

7. Enter admin name, user name, password and click [Next].

8. Set format for run ID and click [Next].

9. Configure custom fields as needed (or leave it default) and click [Next].

Address1:	Zin Deetel code		
	Zip/Postal code	:	
Address2:			
Address3:			
City:			
	10.1	N	01
	< Back	<u>N</u> ext >	Cancel
3M Molecular Detection System Setup		-	
dministrator Settings			Aunt
Set administrator user name and password			
Full Name:			
Jser Name:			
Paseword:			
-asswurd:			
Carefore Deserved			
Confirm Password:			
	< <u>B</u> ack	Next >	Cancel
Run ID Format: MMDDYYYY(%d) ~			
	< Baqk	<u>N</u> ext >	Cancel
	< Back	Next >	Cancel
	< Back	Next >	Cancel
3M Molecular Detection System Setup	< Back	Next >	Cancel
3M Molecular Detection System Setup ustom Fields Configuration	< Back	Next >	Cancel
3M Molecular Detection System Setup ustom Fields Configure custom fields	< Back	Next >	Cancel
3M Molecular Detection System Setup ustom Fields Configuration Configure custom fields Sample Fields: Field 1: Field Name: Field	< <u>Back</u>	Next >	Cancel
3M Molecular Detection System Setup ustom Fields Configuration Configure custom fields Sample Fields: Field 1: Field Name: Field Sample Tune Tune	< Back	Next >	Cancel
3M Molecular Detection System Setup ustom Fields Configuration Configure custom fields Sample Fields: Field 1: Field Name: Field Field 1: Sample Type List	< Back	Next >	Cancel
3M Molecular Detection System Setup ustom Fields Configuration Configure custom fields Sample Fields: Field 1: Field Name: Field Field 1 V Sample Type Ust	< <u>B</u> ack	<u>N</u> ext > 	Cancel × Show:
3M Molecular Detection System Setup ustom Fields Configuration Configure custom fields Sample Fields: Field 1: Field Name: Field Field 1: Sample Type List	< <u>Back</u> Type: Field Valu ✓ Raw	Next >	Cancel X Show: V
3M Molecular Detection System Setup ustom Fields Configuration Configure custom fields Sample Fields: Field 1: Field Name: Field Field 1 Sample Type List	< Back	Next >	Cancel
3M Molecular Detection System Setup ustom Fields Configuration Configure custom fields Sample Fields: Field 1: Field Name: Field Field 1: Sample Type List	< Back	Next >	Cancel × Show: Show:
3M Molecular Detection System Setup ustom Fields Configuration Configure custom fields Sample Fields: Field 1: Field Name: Field Field 1 Sample Type Ust	< gadk Type: Field Valu Raw	<u>Next &gt;</u> 	Cancel
3M Molecular Detection System Setup ustom Fields Configuration Configure custom fields Sample Fields: Field 1: Field Name: Field Field 1 V Sample Type List	< Back	Next >	Cancel X Show: Show:
3M Molecular Detection System Setup ustom Fields Configuration Configure custom fields Sample Fields: Field 1: Field Name: Field' Field 1 V Sample Type List	< Back	Next > 	Cancel

State/Province:

3M Molecular Detection System Setup Customer Information

Enter customer information

Customer name:

×

< Back Next > Cancel

10. Configure the location for importing and exporting of input and output files

③ 3M Molecular Detection System Setup	-		×
Import/Export options			NUMB
Set Import/Export options			J
Import: Default file location			
C:\Users\Public\3M\3M Molecular Detection System\Import	Br	owse	
Export: Default file location			
C:\Users\Public\3M\3M Molecular Detection System\Export	Br	owse	
		_	
< <u>B</u> ack <u>N</u> ext	> ]	Ca	ncel

- 11. In the next three screens, the installation wizard asks for the Destination Folder, the locations for Application Shortcuts and the Start Menu Folder. You can modify the defaults for these fields if necessary. If you don't have a specific reason to modify these fields, the default values are recommended. Click [Next] to proceed through each screen.
  - a. Destination Folder This is the root installation directory for the 3M Molecular Detection Software.

 b. 3M Molecular Detection System Application Shortcuts — These are the locations where the installation wizard will place the 3M Molecular Detection Software shortcuts.

- c. Start Menu Folder This is the location within the Start menu where the installation wizard will place the 3M Molecular Detection Software shortcut.
- d. Click [Install]

<u> </u>			
🌍 3M Molecular Detection System Setup		-	
Choose Install Location Choose the folder in which to install 3M Molecu	lar Detection Sy	stem.	
Setup will install 3M Molecular Detection Syster folder, click Browse and select another folder.	n in the following Click Next to cor	i folder. To instal itinue.	l in a different
De l'estre Elles			
Destriation Polder			
C:\Program Files (x86)\3M\3M Molecular D	etection System	BEO	wse
Space required: 1.7GB Space available: 176.3GB			
	< <u>B</u> ack	Next >	Cancel
🌍 3M Molecular Detection System Setup		-	□ ×
Set Up Shortcuts			
Create Program Icons			
On my Desktop     On my Desktop     In My Start Menu Programs folder     In My Quick Launch bar	li: < <u>₿</u> ack	Next >	Cancel
3M Molecular Detection System Setup		-	×
Choose Start Menu Folder Choose a Start Menu folder for the 3M Molecul	ar Detection Sys	tem shortcuts.	
Select the Start Menu folder in which you would can also enter a name to create a new folder.	d like to create ti	he program's sho	rtcuts. You
3M\3M Molecular Detection System			
Accessibility Accessibility Accessories Administrative Tools Maintenance Microsoft SQL Server 2012 Microsoft SQL Server 2017 Microsoft SQL Server 2017 StartUp System Tools Windows PowerShell			
	< <u>B</u> ack	Install	Cancel

12. A progress bar is shown. Click [Next] after progress bar is completed.



 Click [Finish] when the installation wizard displays the Completing the 3M Molecular Detection Software Setup Wizard screen.

③ 3M Molecular Detection Sys	-		$\times$	
	Completing the 3M M Detection System Se	olecula tup Wiz	r ard	
<b>3M</b>	3M Molecular Detection System has computer. Click Finish to close this wizard.	been install	ed on you	r
	< <u>B</u> adk	inish	Canc	el

# Starting 3M Molecular Detection System software

- 1. Double click 3M Molecular Detection System Software icon on desktop.
- 2. Enter user name and password (as set up during installation). Choose language and click [Login].
- "Reset Security Questions" screen will appear upon logging in for the 1<sup>st</sup> time to allow for username recovery and password reset at Login Screen. Choose and answer three security questions, enter your e-mail address, and click save.

Security questions, answers and e-mail address can be changed by clicking Administration>Reset Security Questions.

- 4. Forgot Password:
  - a) If you forget your password, enter your username and click Forgot Password.
  - b) Answer the three security questions and click Confirm.
  - c) If your answers are correct, a temporary password will be generated. Record the password.
  - d) The password will be automatically entered into the Password field. Click the Login button.
  - e) The Change Password screen will appear. Enter the temporary password and your new password. Click OK to set the new password.
  - f) Passwords can be changed by clicking Administration>Change Password.
- 5. Forgot Username:
  - a) If you forget your username, click Forgot Username.
  - b) Enter your email address in the Verify Email screen.
  - c) If your email address is correct (matches the email address entered into the software), your password will be shown.

set Security Questions			
Security Question 1		•	
Answer		•	
Security Question 2		(• ·	
Answer		*	
Security Question 3		• •	
Answer			
Email ID			



# **Enabling 3M Molecular Detection Assay 2**

Default Assay icons for MDA2 version (SAL-2, ECO-2, LIS-2, LMO-2, CAM-2, CRO-2, STX/EAE-2 and MC-2) are located on the left side of the Setup (Grid) view. All assays (MDA1 and MDA2) are available under Administration > Options... in the main menu. The user can enable/disable the assay by selecting/deselecting the box.



## STEC Gene Screen (stx and eae) and STEC Gene Screen (stx)

To enable individual STX and EAE assays, they need to be selected under options menu.

Default

#### Options to select assays

STX and EAE assay selected



## Running STEC (stx and eae) assays

1. Select wells to run assay (example A1 to H1)

2. Select the Sample icon for STX/EAE-2.

 Both wells in column 1 and 2 are selected as dual assays (*stx* and *eαe*) are run for STEC. NC should be run for both assays and only one RC is run as both assays are in the same kit.

4. Enter Sample ID, Kit lot number. Both wells (*stx* and *eae*) get same sample ID as the assays are linked to the same sample.
Linking is indicated by the circle between two wells. A1 is *stx* and A2 is *eae*.









 Column 12 cannot be selected for STX/EAE-2 assay as it needs two columns for populating assays. The icons are grayed out except for RC.



- 6. Running assay (see product instructions for detailed information)
  - a) Lyse enriched samples using 3M lysis tubes in a heat block at  $100 \pm 1^{\circ}$  C for 15 min.
  - b) Cool at ambient temperature for 5 min in a chill block
  - c) One 3M Molecular Detection Assay 2 STEC Gene Screen (*stx*) and one 3M Molecular Detection Assay 2 - STEC Gene Screen (*eae*) Reagent Tube is required for each sample and the NC.
  - d) Set up reagent tubes, one for *stx* in one column like A1 and one for *eae* in the right adjacent column like A2. The *eae* reagent tube has to be in right adjacent column for the software to interpret the results properly.
  - e) First, transfer each of the sample lysate to a 3M Molecular Detection Assay 2 STEC Gene Screen (*stx*) Reagent Tube.
  - f) Second, transfer each of the same sample lysate using separate pipette tips to a 3M Molecular Detection Assay 2 - STEC Gene Screen (eαe) Reagent Tube in the adjacent right column.
  - g) After all sample lysate transfer, add NC lysate to each of 3M Molecular Detection Assay 2 -STEC Gene Screen (*stx*) Reagent Tube and 3M Molecular Detection Assay 2 - STEC Gene Screen (*eae*) Reagent Tube.
  - h) Samples are loaded into 3M Molecular Detection Speed Loader Tray and then into instrument to start the run.



- 7. Results and interpretation
  - a) Software calls out results for individual wells (positive, negative, error, inspect, inhibited if linked to MC).
  - b) Final result is based on both stx and eae wells and is indicated in the link between the two wells.

#### Sample call out keys



Both positive, final result positive stx positive, eae negative, final result negative stx positive, eae inspect, final result inspect, retest stx positive, eae error, final result error, retest stx negative, eae positive, final result negative stx negative, eae negative, final result negative stx negative, eae inspect, final result inspect, retest stx negative, eae error, final result error, retest stx inspect, eae positive, final result inspect, retest stx inspect, eae negative, final result inspect, retest stx inspect, eae inspect, final result inspect, retest stx inspect, eae error, final result inspect, retest stx inspect, eae error, final result inspect, retest stx inspect, eae error, final result error, retest stx inspect, eae error, final result error, retest

stx error, eae negative, final result error, retest stx error, eae inspect, final result error, retest stx error, eae error, final result error, retest

#### NC call out



Valid for both, link valid

Valid for one, other error, link error Valid for one, other invalid, link invalid

Both error, link error

Both invalid, link invalid

One error, other invalid, link error

## Run report

Run report and export result file has additional column for gene target for the assay. Report is sorted by rows (like A1, A2,....A12, B1, B2,....B12, etc.) to have results for *stx* and *eae* 

together for a sample.

Both assay results are used to give final result in a separate column.

## Run report example

Well ID	Sample ID	Assay Type	Gene Target	Well Type	Kit Lot Number	Result	Final Result	Comment
B1	01042019 (3)_2	STEC-STXEAE 2	STX	Sample	100418 STX-2, EAE-1	Positive	Positive	
B2	01042019 (3)_2	STEC-STXEAE 2	EAE	Sample	100418 STX-2, EAE-1	Positive		
B3	01042019 (3)_10	STEC-STXEAE 2	STX	Sample	100418 STX-2, EAE-1	Negative	Negative	
B4	01042019 (3)_10	STEC-STXEAE 2	EAE	Sample	100418 STX-2, EAE-1	Negative		
B5	01042019 (3)_18	STEC-STXEAE 2	STX	Sample	100418 STX-2, EAE-1	Positive	Positive	
B6	01042019 (3)_18	STEC-STXEAE 2	EAE	Sample	100418 STX-2, EAE-1	Positive		
B7	01042019 (3)_26	STEC-STXEAE 2	STX	Sample	100418 STX-2, EAE-1	Positive	Positive	
B8	01042019 (3)_26	STEC-STXEAE 2	EAE	Sample	100418 STX-2, EAE-1	Positive		
B9	01042019 (3)_34	Matrix Control-2		Matrix Control	112118MC	Valid		
B10	01042019 (3)_42	Matrix Control-2		Matrix Control	112118MC	Valid		
B11	01042019 (3)_50	Matrix Control-2		Matrix Control	112118MC	Valid		
B12	01042019 (3)_58	Matrix Control-2		Matrix Control	112118MC	Valid		

#### Export result example

	A	U		-	L	1 0		I J	N	L	171 1	V U F	Y N		-
1	RunID	WellID	AssayTyp	Gene Target	WellType	Cc Retest	Ret R	Ret KitLotNum	Expiration	SampleID	Sar D	De Pro B	r Lc Lin (	u Result	Final Result
2	1.4.19 CB	A1	STXEAE-2	STX	SAMPLE	FALSE		100418 ST	EAE-1	01042019(3)_1				Positive	Positive
3	1.4.19 CB	A2	STXEAE-2	EAE	SAMPLE	FALSE		100418 ST	EAE-1	01042019(3)_1				Positive	
4	1.4.19 CB	A3	STXEAE-2	STX	SAMPLE	FALSE		100418 ST	EAE-1	01042019(3)_9				Positive	Positive
5	1.4.19 CB	A4	STXEAE-2	EAE	SAMPLE	FALSE		100418 ST	EAE-1	01042019(3)_9				Positive	
6	1.4.19 CB	A5	STXEAE-2	STX	SAMPLE	FALSE		100418 ST	EAE-1	01042019(3)_17				Positive	Positive
7	1.4.19 CB	A6	STXEAE-2	EAE	SAMPLE	FALSE		100418 ST	EAE-1	01042019(3)_17				Positive	
8	1.4.19 CB	A7	STXEAE-2	STX	SAMPLE	FALSE		100418 ST	EAE-1	01042019(3)_25				Positive	Positive
9	1.4.19 CB	A8	STXEAE-2	EAE	SAMPLE	FALSE		100418 ST	EAE-1	01042019(3)_25				Positive	
10	1.4.19 CB	A9	MC-2		MC	FALSE		112118M0	2	01042019(3)_33				Valid	
11	1.4.19 CB	A10	MC-2		MC	FALSE		112118M0	2	01042019(3)_41				Valid	
12	1.4.19 CB	A11	MC-2		MC	FALSE		112118M0	2	01042019(3)_49				Valid	
13	1.4.19 CB	A12	MC-2		MC	FALSE		112118M0	2	01042019(3)_57				Valid	

## New Features in 2.5.0.0

1. Enabling automation feature option

Enable automation feature option under options menu



Enables selection of enriched sample volume to be added to lysis tube (5 to 20  $\mu$ L) and export of run set up for worklist for the samples to be run by the automation method.



#### 2. Addition of Signature module to Run Report

Enables manual audit tracking to meet CFR21 requirements. Using non-editable PDF file to generate run reports, the report can be printed and validated as shown below by signature fields. The run report header is not changing

#### Signature module

Test Completed by:	Report Reviewed/Approved by:	
Full Name:	Full Name:	
Initials & Date:	Role:	
Report Printed by:	Signature:	
Full Name:		
Initials & Date:	Date:	
Comments:	Comments:	

Example header of the run report

	Run Report						
Run ID	4.22.19_LM_Disinfectant Neutralization	Run Date	4/22/2019 2:05:20 PM				
Run Status	Completed	User	Admin				
Technician	Admin	Report By	Admin				
Run Comment		Instrument	0213060193				

3. Defaulting of import/export file location to public folder for fresh installation

The default folder during installation is changed to Public folder under users for both import and export options and not to the folder of log in user.



📶 Import and E	xport Options	×			
Import Options					
Delimeter:	Comma				
File extension:	.csv 🔻				
Header lines:	1				
🖌 Use default i	mport file location C:\Users\Public\3M\3M Molecular Detection System\Import	Browse			
Automatically	/ delete file after successful import				
OAutomatically	y move file after successful import C:\Users\Public\3M\3M Molecular Detection System\Import\P.bcess	Browse			
Export Options Delimeter:	Comma				
File extension: .csv					
🗹 Include header line in setup file					
🛿 Include header line in results file					
Automatically export results when run is completed					
Export to:	::\Users\Public\3M\3M Molecular Detection System\Export	Browse			
	ОК	Cancel			

## 4. Showing of Sample ID on Results screen

Enabling sample ID view under view leads to showing the sample ID in the results grid (plate view)



# **Database archiving**

The performance of the 3M Molecular Detection Software can be improved by archiving older test results, which are no longer actively used, but might need to be retained for future reference or regulatory compliance. Archiving moves the selected results from the primary application database to another database on the SQL Database server.

Use the following steps for archiving MDS results:

1. Select Archive from the MDS Utility menu



2. Select New Schedule

📶 Archive Details	
New Schedule	
Archival Details:	

3. Choose the desired from and to date and select Schedule

📶 Archive De	tails
From	1/1/2018 15 *
То	12/31/2018
Schedule	04-Mar-19 05:00:00 PM 👻 👻
	Schedule Cancel

4. An entry will be added to the Archival Details section with a Pending status.

Archive Details	5							×
New Schedule	•							
From Date 1/1/2018	To Date 12/31/2018	Scheduled On 3/4/2019 5:00:0	Status Pending	Archived On	Created On 3/3/2019 7:18:2	Created By	Modified On 3/3/2019 7:18:2	Modified By

5. Archiving will run automatically in the background. Archiving of data should take about 30 minutes and duration may vary depending on the computer system performance. A status of Completed will be displayed when the archiving process completes.

M	Archive Details	5							×
	New Schedule Archival Details	•							
	From Date	To Date	Scheduled On	Status	Archived On	Created On	Created By	Modified On	Modified By
	1/1/2018	12/31/2018	3/4/2019 5:00:0	Completed		3/3/2019 7:18:2		3/3/2019 7:18:2	
	1/1/2018	12/31/2018	3/4/2019 5:00:0	Completed		3/3/2019 7:18:2		3/3/2019 7:18:2	

6. Archived results can be viewed by selecting Reports > Search Results...



7. Then select All Dates or enter the desired date range, and select the Generate button.

Search Results	×
Date Range OAll Dates	Run ID
ODate From 1/1/2018 15 To 12/31/2018 15	· · · · · · · · · · · · · · · · · · ·
User	Restested
•	
Assay Type	Instrument
Salmonella     Listeria-2       E. coli 0157     L. monocytogenes-2       Listeria     Campylobacter-2       L. monocytogenes     Cronobacter-2	Sample ID
Matrix Control     STEC-STXEAE-2       Salmonella-2     STEC-STX-2       E. coli 0157-2     STEC-EAE-2       Matrix Control-2     Matrix Control-2	
Well Type	Sample Type
Sample	·
Negative Control	Description
Kit Lot	Product
Result	Brand
Not Tested	
Positive	Lot Number
Negative	
	Line
Error	
Inspect	Customer
Inhibited	
	Generate



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