

BAX[®] System Q7 Version 4.21.4.11714 Features and Instructions

BAX System Q7 software release v4.21 contains several user interface features, new target options and error logging improvements.

We strongly recommend that you always install the most recent version as soon as possible for optimal performance. Please read all instructions thoroughly and ensure all required prerequisites are confirmed prior to beginning installation of the software update.

If you currently have a WIN7 computer system, please contact <u>diagnostics.support@hygiena.com</u> or your local Hygiena[®] representative for upgrade support. **This release is NOT applicable for WIN7 systems.**

Software Updates and Features for Release v4.21.4.11714 for WIN10 ONLY

Install Package

□ Single executable install with reduced size (2 GB)

- Reorganization of software versioning:
 - Package: 4.21.4.11714
 - BAX System: 4.21.4.11712
 - Bridge: 4.21.4.11713
 - SDS: 1.3.1035.1
 - Analysis: 4.21.3.8313
- SDS Equipment Driver Improvements:

□ Auto-recovery of instrument communication disconnection with notifications

User Interface Enhancements:

- □ Option to export results as a .csv file
- □ About Dialog updates
- □ Removed the ability to initialize a run without instrument connection
- □ Feature to preserve calibration file during installation

Application Insights:

 $\hfill\square$ Improvements with more detailed logs for troubleshooting

Certified Algorithms

□ Additional targets:

- STEC Screener eae ONLY
- STEC Screener stx ONLY
- Real-Time E. coli O157:H7 S-Target ONLY

□ Display messages and confidence levels for:

- Real-Time E. coli O157:H7 EXACT
- Real-Time Salmonella



Software Upgrade Instructions:

- 1. Required Prerequisites:
 - Regional Settings are in English
 - Read/Write Permissions for the below file locations for all users
 - □ C:\Program Files\MATLAB
 - □ C:\Program Files (x86)\BAX
 - C:\ProgramData\BAX Q7 System
 - All Power and Sleep Settings are set to Never.

2. Calibration storage and removal of current software:

Back up the system's calibration file

- □ Select Operations > BAX Maintenance > Export Calibration from the menu bar.
- □ Navigate to a new folder in which to store the backup file and click Save.
- □ Name the calibration file (example: Q7Cal_date.bqc).

Uninstall the previous version of the BAX Q7 application and ANY VERSION of MATLAB (REQUIRED)

 \Box Navigate to Windows Settings and select Apps.

Settings									ø	\times
				Windows	Settin	gs				
				Find a setting		Q				
	旦	System Display, sound, notifications, power		Devices Bluetooth, printers, mouse		Phone Link your Android, iPhone		Network & Internet Wi-Fi, airplane mode, VPN		
	¥.	Personalization Background, lock screen, colors	E	Apps Uninstall, defaults, optional features	8	Accounts Your accounts, email, sync, work, other people	。 A字	Time & Language Speech, region, date		
	8	Gaming Xbox Game Bar, captures, Game Mode	Ģ	Ease of Access Narrator, magnifier, high contrast	Q	Search Find my files, permissions	ß	Privacy Location, camera, microphone		
	0	Update & Security Windows Update, recovery, backup								



Click on BAX System Q7, select Uninstall, and agree (click Yes) on next window to initiate removal.



Click on ANY version of the MATLAB application, select Uninstall, and click Agree on next window (this may take several minutes).

යි Home	Apps & features			
Find a setting	intel	Intel® Optane [™] Memory and Storage Management INTEL CORP	16.0 KB 4/1/2022	
Apps		Intel® Serial IO	2/12/2021	
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□ Video playback	1	Microsoft .NET Runtime - 5.0.17 (x64)	91.1 MB 5/25/2022	
♀ Startup	0	Microsoft 365 Apps for enterprise - en-us	6/25/2022	
	2	Microsoft Edge	7/24/2022	

Restart Computer BEFORE continuing to step 3



Software Installation Instructions for Steps 3 and 4

- 3. Download 4.21.4.11714 software by clicking this link or the button from the BAX Q7 Page
 - Transfer the download to a memory/USB stick if the computer doesn't have internet access.
 - Click on the Q74.21.4.11714 icon and the program will automatically start execution of the installation.

ſ	↓ > This PC > Downloads
	Name
	∨ Today (9)
	• 🚱 4.21.4.11714

A windows protect screen may pop up. Select More Info, then select Run anyway.
 On the next pop-up, select Yes to allow the installation to begin.

Windows protected your PC	Windows protected your PC
Meresoft Liefender smartisereen prevented an unteroagriteed apo from starting, kunning this app might put your PIC ar risk. More into	Microsoft Defender SmartScreen onevenued an unrecognized apo from starting, Rummig this aso might put your PC at risk. App: 4213/386/tuel: Publisher Unknown publisher
Don't run	Run anyway Don't run

4. MATLAB updates will install first. Follow prompts below and select the default responses:

BAX System Q7 - InstallShield Wizard	
BAX System Q7 requires the following items to be to begin installing these requirements.	Installed on your computer. Click Install
Status Requirement Pending MatlabRuntime_2020b	
	Install Cancel



AX Sys	tem Q7 - InstallShield Wizard			
Q 7	BAX System Q7 requires the following to begin installing these requirements.	items to be i	nstalled on your com	nputer. Click Install
Status Extrac	Requirement ting MatlabRuntime_2020b			
Extract	ng: Matlab Runtime Installer.exe			
			Install	Cancel

Install error: VCRUNTIME140.dll was not found. (shown below)



□ The install will end after you click on OK. To resolve this issue, please download and install the patch **vc_redist.x64.exe** from <u>https://www.microsoft.com/en-us/download/details.aspx?id=52685.</u> After installing this patch, go back and retry installing the updated BAX System Q7 software.

🚱 Hygiena Mat	lab Runtime Installe	r Installer						×
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🚱 Installation Options	— 🗆 🗙
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Add a shortcut to the desktop	
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ATLAB Runtime is required.	
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anation completed successfully.		Onygiena

- 5. Following MATLAB installation, the BAX Q7 application install will initiate. Read the prompts carefully. Choose the default responses.
 - □ Welcome Window click Next.





Calibration File Warning – ENSURE YOU HAVE BACKED UP THE CALIBRATION FILE.

 \Box Check box and click Next.



License Agreement

□ Check Accept Terms box and click Next.





Custom Setup

□ Click Next.



Password Protection

BAX default is disabled password protection. Choose an option for your lab, then click Next.

💕 BAX System Q7 - InstallShield Wizard			×
BAX Security		🚱 hy	giena
Enable Password Option		BAX	System
By default, password protection is disabled. application cannot be launched without a pa during amplification/detection, which preve entered.	assword. This optio	n automatically locks	the workstation
Enable Password Protection			
\odot Do Not Use Password Protection			
InstallShield			
	< Back	Next >	Cancel



Ready to Install Program

□ Click Install.

BAX System Q7 - InstallShield Wizard			×
Ready to Install the Program		🚱 hy	giena [.]
The wizard is ready to begin installation.		BAX	^{giena} System
Click Install to begin the installation.			
Click Cancel to exit the wizard.			
InstallShield			
	< Back	Install	Cancel

Installing BAX System Q7 Software

- During installation, an Error Log Reporting window will pop up. We recommend NOT checking the box so the system can collect software and/or hardware errors in the Log Files to assist Diagnostics Support in troubleshooting. However, please review and decide what is appropriate for your lab.
- $\hfill\square$ Select Next to complete the installation.

🕞 BAX Syst	tem Q7 - InstallShield Wizard	- 🗆 X	BAX System Q7 - InstallShield Wizard
	J BAX System Q7 gram features you selected are being installed.	BAX [®] System	Error Log Reporting
17	Please wait while the InstallShield Wizard installs BA several minutes. Status:	K System Q7. This may take	Check the option below if you DO NOT AGREE to upload log information to Hygiena servers. No PII will be uploaded and data will only be used for product improvement.
InstallShield	< Back	Next > Cancel	InstallShield < Back Next > Cancel



InstallShield Wizard Complete.
 Select Finish.

🔀 BAX System Q7 - InstallShield	Wizard X	
BAX®	InstallShield Wizard Completed	
System	The InstallShield Wizard has successfully installed BAX System Q7. Click Finish to exit the wizard.	
hygiena ⁻	☐ Show the Windows Installer log	
	< Back Finish Cancel	

- □ Click on the desktop icon to initiate program. New open screen will have software version 4.21.4.11714.
- □ Enter the Instrument Name and Serial Number.
 - This will appear on reports and should be utilized.

	bygieng		Instrument Name and Serial Number	\times	
BAX' System Q7			Instrument Name Please enter a unique name for this instrument. This will be used to identify it in documents, printouts and files. Instrument Name		
Copyright & 2022 Hygiena. All Rights Reserved. BAX8 and the Hygiena logo are registered trademarks or trademarks of Hygiena.			Instrument Number Please enter the instrument number from the Q7 instrument. This will be used to identitfy calibration files used with this instrument.		
Package: Analysis:	4.21.4.11714 4.21.3.8313	Instrument Name: Instrument Number:	Number		
BAX® System Checking instr	-	Serial Number:	OK Cancel		



6. CHECK system's calibration (NEW FEATURE)

From the menu bar, select Diagnostics > Calibration to open the Q7 Calibration Diagnostics window

□ Click the Check Calibration button to determine the status:

- If calibration is available, no further actions are needed.
- If calibration is **NOT** optimal or **NOT** found:

Import the backed-up calibration file by selecting Operations > BAX Maintenance > Import Calibration from the menu bar and selecting the backed-up calibration file from step 2.

Q7 Calibration Diagnostics X	I Q7 Calibration Diagnostics X
OK OK	Check Calibration
Calibration directory: C:\ProgramData\BAX Q7 System\Q7	Calibration directory: C:\ProgramData\BAX Q7 System\Q7
Run "Check Calibration" to get results.	Cal files from 'C:\ProgramData\BAX Q7 System\Q7': ROI: Invalid, Header: Valid, Background: Valid, Uniformity: Valid, Corrected: No Dye cals Present: SYBR ***** You MUST perform or restore an ROI calibration ROI last modified 16:00 12/31/1969 Cal last modified 16:01 02/31/1969 Cal last modified 16:01 02/31/1969 Cal last modified 16:01 02/31/1969 Cal last modified 16:01 02/31/1969 Cal last modified 16:01 03/07/2021 You DO NOT have dye coefficients for these assays: Real Time E. coll 0157:H7 Exact Real Time E. coll 0157:H7 Real Time Gamus Listeria Real Time Shigella Real Time Shigella Real Time STEC Panel 1 026,0111,0121 Real Time STEC Panel 1 026,0113,0145 Real Time STEC Screen stx,Qae Real Time E. Core of NLY You have dye coefficients for these assays: E. coll 0157:H7 MP E. coll 0157:H7 MP E. coll 0157:H7 MP Express
Create New Cal File Generate Cal Report	Create New Cal File Generate Cal Report

7. Ready to perform BAX System Analysis

Define proper targets that are used in your lab by selecting View > Select Targets > then in the window, highlight targets being used, and then use arrow buttons to move targets from Define in System to Available for Selection window.

Define Target Selection	×	Define Target Selection		×
Define Target Selection Target Selection Target Sel: undefined n/a Targets defined in system: E. coll 0157:H7 MP Express Enterobacter sakazakli Genus Listeria Listeria monocytogenes Real Time E. coll 0157:H7 Foat Real Time Satophotoccus aureus Real Time STEC Same 1026,0111,0121 Real Time STEC Same 2040,0145 Real Time STEC Same	CK Cancel Targets available for selection:	Define Target Selection Target Sel: undefined n/a Targets defined in system: E. coll 0157:H7 MP E. coll 0157:H7 MP Express Enterobacter sakazaki Genus Listeria Listeria monocytopenes Real Time E. coll 0157:H7 Fact Real Time Siteria Real Time	Targets available for selection: Real Time E. coll 0157:47 Exact Real Time Gust Listeria Real Time Salmonelia Real Time Salmonelia Real Time STEC Screen eae ONLY	OK Cancel
Real Time STEC Storen sb. over Real Time Vibrio Salmonella v		Real Time STEC Screen stx, eae Real Time Vibrio Saltronella		