

BAX[®] System Q7 Version 4.22.2.14335 Features and Instructions

BAX[®] System Q7 software release v4.22 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 v4.22.2.14335 for WIN10 ONLY

- New Assays with Result Interpretations to assist with visual interpretation of data:
 - foodproof[®] Salmonella Genus plus Enteritidis & Typhimurium Detection LyoKit
 - foodproof[®] Salmonella plus Cronobacter Detection LyoKit
 - foodproof[®] Enterobacteriaceae plus Salmonella Detection LyoKit
 - foodproof[®] Vibrio Detection LyoKit
 - foodproof[®] Yeast and Mold Quantification LyoKit
 - foodproof[®] Aspergillus Detection LyoKit
 - microproof[®] Legionella Quantification LyoKit
- SDS Equipment Driver Improvements
- Messages and Confidence Levels:

Important: All foodproof and microproof algorithms are designed to assist in result interpretation but are experimental and require further visual verification to increase the confidence in positive and negative result calls. Hygiena is working to improve and certify these algorithms as additional data is generated.



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.

Obtain HEX Calibration Kit from Hygiena

- This additional calibration plate is a standalone product and is not included with other calibration kits.
- Please visit the <u>contact us</u> page for ordering and technical support.

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.
- \Box Navigate to a new folder in which to store the backup file and click Save.
- □ Name the calibration file (example: Q7Cal_date.bqc).

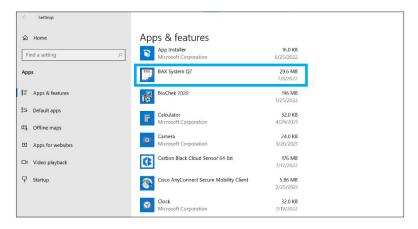
Uninstall the previous version of the BAX Q7 application.

□ Navigate to Windows Settings and select Apps.

Settings								-	đ	×
			Windows	Settir	igs					
			Find a setting		٩					
	System Display, sound, notifications, power		Devices Bluetooth, printers, mouse		Phone Link your Android, iPhone		Network & Internet Wi-Fi, airplane mode, VPN			
I.	Personalization Beckground, lock screen, colors		Apps Uninstall, defaults, optional features	R	Accounts Your accounts, email, sync, work, other people	@ 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	A	Privacy Location, camera, microphone			
Q	Update & Security Windows Update, recovery, backup									



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



If updating from 4.21, removal of MATLAB is not required. If updating from any previous versions, click on the MATLAB application, select Uninstall and click Agree on the next window (this may take several minutes).

බ Home		Арр	os & features	
Find a setting	Q	intel	Intel® Optane [™] Memory and Storage Management INTEL CORP	t 16.0 KB 4/1/2022
Apps		\$	Intel [®] Serial IO	2/12/2021
E Default apps			Mail and Calendar Microsoft Corporation	6.99 MB 5/19/2022
邱 Offline maps		0	Maps Microsoft Corporation	16.0 KB 5/28/2021
Apps for websites		A	MATLAB Runtime 9.9	6/9/2022
□ Video playback		ı,	Microsoft .NET Runtime - 5.0.17 (x64)	91.1 MB 5/25/2022
		đ	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 4.22.2.14335 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 Q7 4.22.2.14335 icon and the program will automatically start execution of install.
 - A Windows protect screen may pop up. Select More Info, then select Run anyway.

 \Box On the next pop-up, select Yes to allow installation to begin.

arting, Running this app might put your PC at risk. ore info	starting. Karening Hussapp might put your PC at risk
	Apo: 4.22.0.10335 (f),exe Publisher: Unknown publisher

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

BAX System Q7 - InstallShield Wizard	BAX System Q7 - InstallShield Wizard
UAX System Q/ requires the following items to be installed on your computer. Click Install to begin Installing these requirements.	BAX System Q7 requires the following items to be installed on your computer. Click Install to begin installing these requirements.
Status Requirement Pending MatiabRuntime_2020b	Status Requirement Extracting MatlabRuntime_2020b
	Extracting: Matlab Runtime Installer.exe
Install Cancel	Install Cancel



In case this install error occurs: VCRUNTIME140.dll was not found. (shown below).

Please download and install the patch: vc_redist.x64.exe from <u>https://www.microsoft.com/en-us/download/details.aspx?id=52685.</u> The installation will end when you click OK.

unzip.exe	- System Error	×
8	The code execution cannot proceed because VCRUNTIME140.dll was not found. Reinstalling the program may fix this problem.	
	ОК	

After installing this patch, MATLAB Installation is continued.

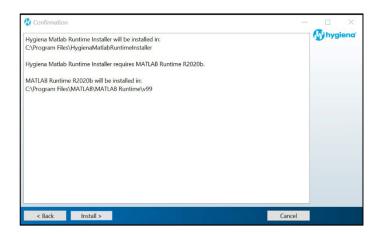


🚱 Installation Options		
Choose installation folder:		hygiena
C:\Program Files\HygienaMatlabRuntimeInstaller	Browse	
	Restore Default Folder	
Add a shortcut to the desktop		
< Back Next >	Cancel	



🚱 Required Software	-			\times
MATLAB Runtime is required.				
Choose installation folder: C\Program Files\MATLAB\MATLAB Runtime Browse Restore Default Folder	N	RUI	TL/ NTIME 020b	AB°
	<	2		1
MATLAB and Simulink are registered trademarks of The MathWorks, Inc. Please see mathworks.com/trademarks for a list of additional trademarks. Other product or brand names may be trademarks or registered trademarks of their respective holders.				
WARNING: This program is protected by copyright law and international treaties. Copyright 1984-2020, The MathWorks, Inc. Protected by U.S. and other patents. See MathWorks.com/patents				
< Back Next > Can	icel	1	Math	iWorks*

he MathWorks, Inc.		^
MATLAB RUNTIME LICENSE		
MPORTANT NOTICE		
IV CLICKING THE "YES" BUTTON BELOW, YOU ACCEPT THE TERMS OF THIS LICENSE. IF YOU ELECT THE "NO" BUTTON AND THE INSTALLATION WILL BE ABORTED.	ARE NOT WILLING TO DO) SO,
. LICENSE GRANT. Subject to the restrictions below, The MathWorks, Inc. ("MathWorks") here ou are an individual or an entity, a license to install and use the MATLAB Runtime ("Runtime" uropose of running software created with the MATLAB Compiler (the "Application Software").	, solely and expressly for	the
his license is personal, nonexclusive, and nontransferable.		
LICENSE RESTRICTIONS. You shall not modify or adapt the Runtime for any reason. You sh lecompile, or reverse engineer the Runtime. You shall not alter or remove any proprietary or oppies of the Runtime. Unless used to run Application Software, you shall not rent, lease, or lo he Runtime, provide service bureau use, or use the Runtime for supporting any other party's not sublicense, sell, or otherwise transfer the Runtime to any third party. You shall not republic any he provide in connection with the Runtime. All richts not created in cluding without Runtime for any bury and the created in cluding without Runtime to any third party. You shall not republic any hear the rest of the created in cluding without Runtime to any third party. You shall not republic as the rest rest of the created in cluding with the Runtime to any third party.	other legal notices on or i on the Runtime, time sha use of the Runtime. You sh any documentation wh	ire shall hich



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	0%		
			Pause
		Cancel	
Installation Complete			~
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allation completed successfully.		(hy	giena

5. Following MATLAB installation, the BAX Q7 application installation will initiate. Read the prompts carefully. Choose the default responses.

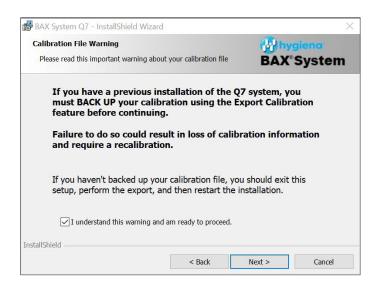
□ Welcome Window – click Next.

🕞 BAX System Q7 - InstallShield	Wizard	\times			
BAX®	Welcome to the InstallShield Wizard for BAX System Q7				
System	The InstallShield(R) Wizard will install BAX System Q7 on your computer. To continue, click Next.				
🚱 hygiena ⁻	WARNING: This program is protected by copyright law and international treaties.				
	< Back Next > Cancel				



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

 \Box Check box and click Next.



License Agreement.

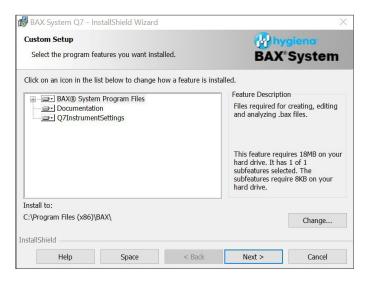
□ Check Accept Terms box and click Next.





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		(P) hy	giena [.]
Enable Password Option			System
By default, password protection is disabled. application cannot be launched without a pa during amplification/detection, which prever entered.	ssword. This optio	on automatically locks	the workstation
Enable Password Protection			
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		(Ph)	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.
- \Box 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 B Click Finish to exit the wizard.	AX System Q7.
whygiena ⁻	☐ Show the Windows Installer log	
	< Back Finish	Cancel

- □ Click on the desktop icon to initiate the program. The new open screen will have software version 4.22.2.14335.
- □ Enter Instrument Name and Serial Number.
 - This will appear on reports and should be utilized.

BAX [°]	System Q	Instrument Name and Serial Number × 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 Rese BAX® and the Hygiena logo are registered I		Instrument Number Please enter the instrument number from the Q7 instrument. This will be used to identitfy calibration files used with this instrument.	
Package: 4.22.1.12282 Analysis: 4.22.0.9784	Instrument Name: Instrument Number: Serial Number:	Number	
BAX® System Initializing. Checking instrumentation	_	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.

 To utilize any foodproof assay, additional calibration using the HEX calibration kit must be performed. Please follow the onboard instructions in the BAX Software to perform calibration.

Q7 Calibration Diagnostics	Q7 Calibration Diagnostics ×
OK Check Calibration	OK OK
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 16:012/31/1969 Cal last modified 16:21 03/07/2021 You DO NOT have dye coefficients for these assays: foodproof - RT Aspergillus foodproof - RT Legionella microproof - RT Legionella foodproof - RT Legionella foodproof - RT Sal spp + Cronobacter foodproof - RT Sal spp + SE + ST foodproof - RT Yest and Mold Quant Real Time E. coli 0157:H7 Exact Real Time E. coli 0157:H7 Real Time E. coli 0157:H7 Real Time E. Steria Real Time Shigella Real Time Shigella Real Time Stepel 026,0111,0121 Real Time STEC Panel 1 026,0113,0145 Real Time STEC Screen stx.eae <
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 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: Targets available for s E. coll 0157:H7 MP Express Enterobacter salozakii foodproof - RT Sal spp + Croolbacter foodproof - RT Sal spp + SE + ST foodproof - RT Sal spp + SE + ST foodproof - RT Vibrio foodproof - RT Vibrio foodproof - RT Legionella Real Time C. coll 0157:H7 (Sarget Only) Real Time C. coll 0157:H7	OK Target Set: undefined Cancel	OK Cancel
Real Time Shigella Real Time Staphylococcus aureus	Real Time Shigella Real Time Staphylococcus aureus	