

BAX® System Q7 Software Features and Instructions

Introducing BAX® System Q7 Software Release Version 4.0.1326 for WIN10 ONLY

BAX[®] System Q7 software release v4.0 contains an updated MATLAB engine for data analysis and new SDS equipment driver for the operation of the Q7 instrument and User Interface.

We strongly recommended that you always install the most recent version as soon as possible for optimal performance. Versions are available for download on the <u>Hygiena Website</u>.

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 v4.0.1326 for WIN10 ONLY

- Mathematical Engine Used for Result Interpretation Updated:
 - o MATLAB 2010 to MATLAB 2020 for continued integration of machine learning
 - Removal of Pipe Creation Error
 - o <u>Validation across all assays proved no changes in critical results or analysis</u>
- SDS Equipment Driver Improved:
 - RPC Server error frequency reduction by improving communication pipeline
- User Interface Enhancements:
 - Print feature to allow overlaid individual well report to include the details of the selected wells on subsequent pages for full 96 rack results
 - Users can now include up to 23 alphanumeric characters with the autonumbering feature during rack creation
 - o Report Q7 serial number when the instrument starts in the software about screen
 - Remove Target Version from the About dialog to avoid confusion of software version
 - Allow the user to cancel Analysis
 - Calibration status reports

• Additional Software Features:

- During application launch, a self-diagnostics test is performed (Figure 1)
- o Improved logging of software and hardware diagnostics
- \circ Added option to upload SDS and application errors to Azure cloud during software installation

Figure 1: Self-diagnostics test upon application launch

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O 12	O 20	O 28	0 36	O 44	O 52	O 60	0
O 13	O 21	O 29	O 37	O 45	O 53	O 61	0 69
O 14	O 22	O 30	O 38	O 46	O 54	O 62	O 70
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Software Installation Instructions for WIN10 ONLY

Each release of BAX[®] System software builds on improvements from previous versions, it is strongly recommended that you always install the most recent version as soon as possible for optimal performance.

1. Back up the system's calibration file

- Selecting 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")

2. Uninstall the previous version (REQUIRED)

Navigate to Windows Settings and select Apps

	Windows Settings							
			Find a setting		٩			
旦	System Display, sound, notifications, power		Devices Bluetooth, printers, mouse		Phone Link your Android, iPhone		Network & Internet Wi-Fi, airplane mode, VPN	
Ą	Personalization Background, lock screen, colors		Apps Uninstall, defaults, optional features	8	Accounts Your accounts, email, sync, work, other people	色 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	
\mathbb{C}	Update & Security Windows Update, recovery, backup							

• Click on BAX System Q7, select uninstall, and agree (click yes) on next window to initiate removal

命 Home	Apps & features	
Find a setting	Adobe Genuine Service	12/10/2021
Apps	Alarms & Clock Microsoft Corporation	32.0 KB 3/9/2021
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띠 Offline maps	BAX System Q7	33.3 MB 12/6/2021
Apps for websites	Galculator Microsoft Corporation	32.0 КВ 4/29/2021

• Restart Computer and continue to step 3



- Extract the files from the zipped folder
 - Transfer extracted to a memory/USB stick if computer doesn't have internet access

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Quick access	Name		
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o Right click the setup program and click run as administrator



- A windows protect screen may pop-up, select "More Info", then select "Run Anyway".
 - On the next pop-up, select "Yes" to allow install to begin

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• Welcome Window – Click Next



• Calibration File Warning – ENSURE YOU HAVE BACKED UP THE CALIBRATION FILE – Check box and click Next

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• License Agreement – Check "Accept Terms" box and click Next



Custom Setup – Click Next

Custom Setup		why the second s		
Select the program features you want installed.		BAX [®] System		
Click on an icon in the list below to change how a	feature is insta	illed.		
	Feature Description			
Documentation Q7InstrumentSettings		Files required for creating, editi and analyzing .bax files.		
		This feature requ your hard drive. subfeatures selec subfeatures requi hard drive.	It has 1 of 1	
nstall to:				
C:\Program Files (x86)\BAX\			Change	
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Help Space	< Back	Next >	Cancel	



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• Ready to Install Program – Click Install

Ready to Install the Program	hygiena:
The wizard is ready to begin installation.	BAX [®] System
Click Install to begin the installation.	
If you want to review or change any of your installation settings the wizard.	, dick Back. Click Cancel to exit
stalfshield	

- Installing BAX System Q7 During installation an Error Log Reporting window will pop-up, we recommend NOT checking the box to be able to 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
 - o Select Next to complete install

	em Q7 - InstallShield Wizard BAX System Q7	– 🗆 🗙	BAX System Q7 - InstallShield Wizard
The pro	gram features you selected are being installed. Please wait while the InstallShield Wizard installs BA) several minutes.	System Q7. This may take	Check the option below If you DO NOT AGREE to upload log information to Hygiena servers. No PIT will be uploaded and data will only be used for product improvement.
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InstallShield -			InstallShield
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• Depending on your current version of software, additional packages may need to be updated during the install, please click "Yes" if any pop-ups occur



• InstallShield Wizard Complete –Select Finish

👹 BAX System Q7 - InstallShield	Wizard ×
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

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- Click on the desktop icon to initiate program, new open screen will have Software Version: 4.0.1326
- Enter Instrument Name and Serial Number This will appear on reports and should be utilized

BAX' System	Q ₇	Phygie BAX	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.
Copyright & 2021 Hypers, All Hypler Reserved. BARB and the Hypers lays are registered tradements or incidencels of Hypers.		Copyright († 2021 Hygians, All Ryhts Raw BAXE and the Hygians logs are registered	Instrument Number Please enter the instrument number from the Q2 instrument. This will be used to identify calibration files used with this instrument.
Software Version: 4.0.1328 Seitäl Munber: System Info. AnalyzeBAX: 1.1.0.5056, BAXLAB: 4.2 BAX® System Inthalizing, Checking instrumentation	Instrument Name: Instrument Number 21.657.8488: SDS. 1.3.335 1. Mode: Named Pipe	Software Version: 4.0.1326 Serial Number: System Info: AnalyzoBA BAX® System Initializing Checking instrumentation	OK Cancel

5. Import system's calibration file

- From the menu bar, select DIAGNOSTICS > CALIBRATION to open the Q7 Calibration Diagnostics window
- Click the check calibration button to determine the status of your calibration files
 - 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 1

6. Ready to perform BAX[®] System Analysis

• Define proper targets that are used in your lab by selecting VIEW > SELECT TARGETS > then in window use arrow buttons to move targets from define in system to available for selection window

Define Target Selection		C Define Target Selection	·· · · · · · · · · · · · · · · · · · ·
Target Set: undefined n/a Targets defined in system: E: coli O157:H7 MP E: coli O157:H7 MP Read Time E: coli O157:H7 Read Time E: soli O157:H7 Read Time E: s	OK Cancel Targets available for selection:	Target Set: undefined n/a Targets defined in system: Targets availab E. coli 0157:H7 MP E. coli 0157:H7 MP Express Enterobacter sakazaki Genus Listeria Real Time E. Real Time	
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