

Coagulation archive viewer

User Guide publication version 1.0

Coagulation archive viewer software version 1.1

Publication information

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1.0	1.1	February 2024	First version

☰ Revision history

Edition notice

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eLabDoc

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Symbols and abbreviations







Product names

Except where the context clearly indicates otherwise, the following product names and abbreviations are used:

Product name	Descriptor
System software for cobas [®] t 511 coagulation analyzer	analyzer software
System software for cobas [®] t 711 coagulation analyzer	analyzer software
cobas [®] t 511 coagulation analyzer	analyzer
cobas [®] t 711 coagulation analyzer	analyzer
Coagulation archive viewer	archive viewer

 Product names

Symbols used in the publication

Symbol	Explanation
•	List item.
	Related topics containing further information.
	Tip. Extra information on correct use or useful hints.
▶	Start of a task.
	Extra information within a task.
→	Result of an action within a task.
	Topic. Used in cross-references to topics.
▶	Task. Used in cross-references to tasks.
	Figure. Used in figure titles and cross-references to figures.
	Table. Used in table titles and cross-references to tables.

 Symbols used in the publication

About the archive viewer


The archive viewer is a stand-alone software which allows you to view archived data generated on the analyzer systems.

Compatibility with analyzer software



The Coagulation archive viewer version 1.1 is compatible with the data generated by the following analyzer software:

- **cobas**[®] t 511 coagulation analyzer
- **cobas**[®] t 711 coagulation analyzer

Supported archive data (archive viewer v.1.1)	Introduced in analyzer software version
QC data	2.3.0
Calibration data	2.1.0
Sample data result	2.1.0
Audit trail	2.1.0
User message	2.1.0

 [Compatibility chart for analyzer software data](#)

You can load archive files from an older version of the analyzer software, but the previously unsupported fields are blank.

 To view the version number of the archive viewer, choose the  button in the top-right corner of the archive viewer software.

System requirements

The minimum system requirements for using the archive viewer are as follows:

Requirement	Specification
Operating system	Windows 10 (64 bit) or later
Hardware	PC processor: Intel Core i3 or later ≥ 4 GB RAM ≥ 50 GB of free disk space
.NET Framework	4 or newer

 [Minimum system requirements](#)

You can install the archive viewer on any PC that meets the minimum system requirements.

Installing the archive viewer

Downloading the archive viewer

You can find the archive viewer installer file (cobas_t511_t711_archiveviewer.msi) in the same download package as this User Guide, through the Roche **navify** Portal (navifyportal.roche.com). You can also get it from your Roche service representative (RSR).



- To install the archive viewer, you need administrator privileges.

▶ To install the archive viewer

- 1 Copy the archive viewer installer file cobas_t511_t711_archiveviewer.msi to your PC.
- 2 To open the archive viewer installer wizard, double-click the file cobas_t511_t711_archiveviewer.msi.
 - The installer installs the archive viewer for the operating system's language.
 - If the operating system language is not supported, the installer installs the English-language archive viewer.
- 3 To proceed to the installation, choose the **Run** button.
 - ❶ To stop the installation at any time, choose the **Cancel** button.
- 4 Choose the **Next** button to continue to the license information.
- 5 Read the license agreement, and to accept it, choose the check box and then choose **Install**.
 - The archive viewer installs as "C:\Program Files\Roche Diagnostics AG\cobas t511 and 711 Archive Viewer\Roche.InstrumentAssets.ArchiveViewer.exe".
- 6 To start the installation, choose the **Install** button.
 - If requested, enter the administrator user and password.
- 7 To exit the installer when done, choose the **Finish** button.

► To repair or uninstall the archive viewer

- 1 Double-click the archive viewer installer file, `cobas_t511_t711_archiveviewer.msi`.
- 2 To proceed to the installation, choose the **Run** button.
 - ❶ To stop the installation at any time, choose the **Cancel** button.
- 3 A dialog is displayed, which gives you the option of repairing or removing the installation. Choose the **Repair** or the **Uninstall** button. Then choose the **Next** button.
- 4 To start to the repair or uninstallation, choose the **Repair** or **Uninstall** button.
 - If requested, enter the administrator user and password.
 - The system repairs or uninstalls the archive viewer.
- 5 To exit the installer when done, choose the **Finish** button.

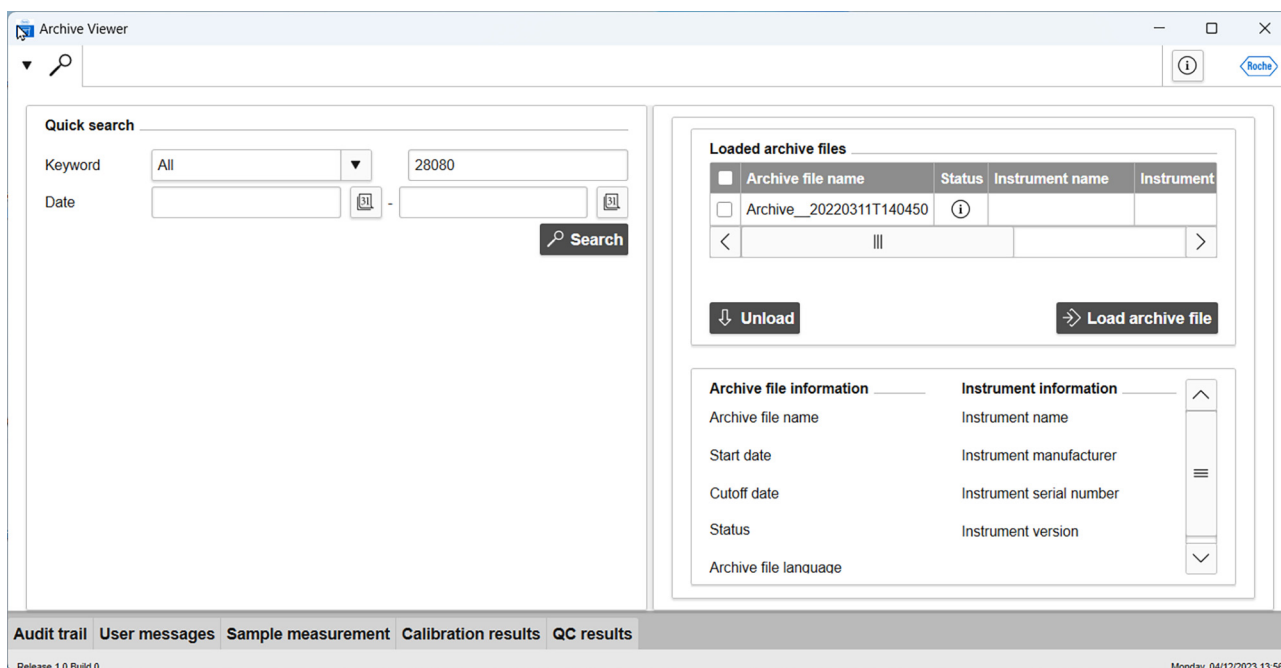
Loading a file into the archive viewer


Loading a file

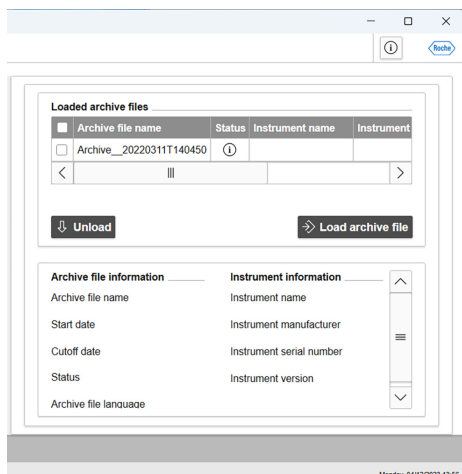
The archive viewer allows you to load and open archived data files. Make sure the archive file is from a compatible version.

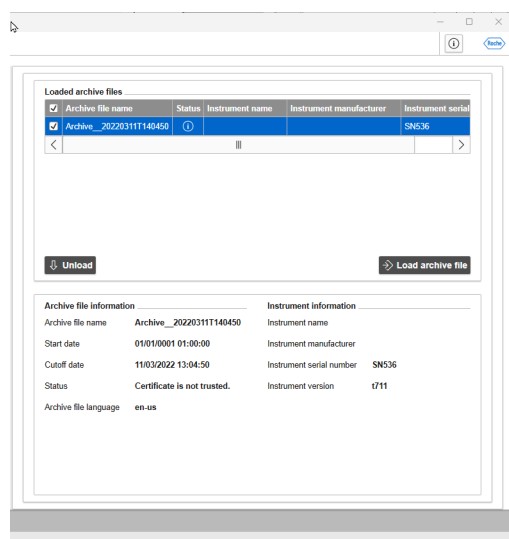
- For compatible versions, see Compatibility with analyzer software (7).

► To load an archive file



- If you are not at the main screen already, at the top left, choose the magnifying-glass icon  to open the main screen.
- On the right, in the **Loaded archive files** panel, choose the **Load archive file** button.
 - An MS Windows Open File dialog box is displayed.
- In the dialog box, navigate to and open your .archive file.
- A warning is displayed if the file has no security certificate. Note that the Roche coagulation analyzers do not yet provide security certificates, so accept Roche files despite the warning.
 - The archive file is loaded into the archive viewer and displayed in the **Loaded archive files** list.





► To see details of an archive file

- 1 Load an archive file as described in the procedure: To load an archive file ► (10).
- 2 In the main screen, on the right, in the **Loaded archive files** list, choose the file whose details you wish to see.
 - The section **Archive file information** is filled with the file's properties.
 - The section **Instrument information** is filled with the properties of the instrument which generated the file.

► To unload an archive file

- 1 From the main screen, on the right, in the **Loaded archive files** list, choose the file or files you wish to unload.
- 2 Choose the **Unload** button.
 - The selected files are unloaded.

► **Related topics**

- [Error messages on loading \(12\)](#)
- [Viewing and exporting data \(14\)](#)
- [Searching for data with Quick search \(19\)](#)

Error messages on loading

If an error occurs on loading an archive file, the archive viewer shows an error message.

Error message	Comment
Archive file cannot be loaded: archive entry is corrupt.	The archive file is corrupt and invalid.
Error occurred while loading the archive files.	The archive file is corrupt and invalid.
The following archive files contain technical errors or are not supported by this application. These archive files will not be loaded.	The archive file is corrupt and invalid, or from an unsupported application.
Index archive file name does not match.	• See Incomplete archive file (13).
Archive file cannot be loaded: part number mismatch.	• See Incomplete archive file (13).
Archive file cannot be loaded: no parts available.	• See Incomplete archive file (13).
Archive file cannot be loaded: at least 1 of the files is locked or does not exist	• See Incomplete archive file (13).
Invalid archive file version	The archive file is not supported in this version of the archive viewer.
Archive file cannot be loaded: max. No. of parts reached.	An archive file can not have more than 100 parts (numbered 0 to 99). 💡 Make sure your analyzer saves archive data frequently enough to avoid files of this size.
Archive file cannot be loaded: max. No. of entities reached.	All the simultaneously loaded archives together can not contain more than 1 million business entities of the same kind of data, e.g. User Messages. 💡 Make sure your analyzer saves archive data frequently enough to avoid files of this size.
Maximum of 10 archive files will be loaded.	No more than 10 archives can be loaded at once. Search only a subset of your files, or search with the Quick search functionality. • Searching for data with Quick search (19)
There are archive files that have no valid signature or certificate. Do you want to continue?	Either the signature on the file is missing or invalid, or the certificate is not trusted. A pop-up dialog gives you the choice of accepting the risk or not.
The following archive files have security risks: A missing/invalid signature indicates manipulated or inconsistent data. The lack of trust of a certificate means the application could not verify the origin of the archive file. By selecting and loading the archive files, you accept these risks.	Either the signature on the file is missing or invalid, or the certificate is not trusted. A pop-up dialog gives you the choice of accepting the risk or not.

☰ Error messages on loading archive file

Incomplete archive file

Name	Date modified	Type	Size
<input type="checkbox"/> Archive_20220311T140450.archive	25/09/2023 14:08	ARCHIVE File	7 KB
<input type="checkbox"/> Archive_20220311T140450.index	25/09/2023 14:08	INDEX File	1'127 KB
<input type="checkbox"/> Archive_20220311T140450.part0	25/09/2023 14:08	PART0 File	2'670 KB

An archive file must have at least 3 parts, all with the same name and in the same folder, with the extensions:

- .archive
- .index
- .part0 up to .part99

Related topics

- [Loading a file into the archive viewer \(10\)](#)

Viewing and exporting data



You can view, sort, filter and export the data in the loaded archive files.

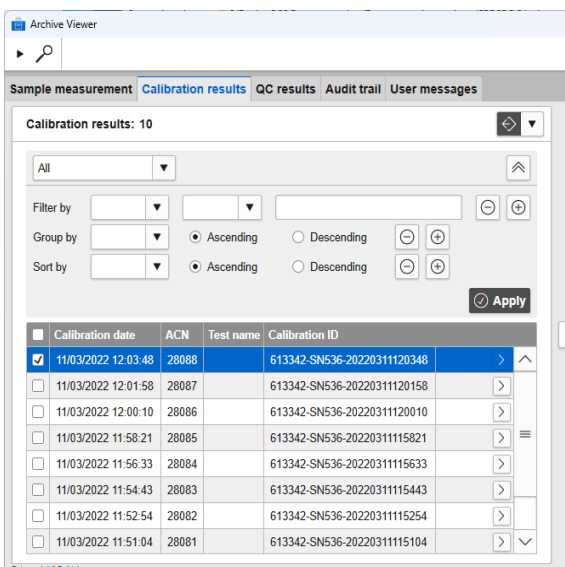
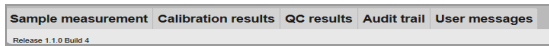
- To load an archive file, see:
Loading a file into the archive viewer (10)

To view the archived data entries, open the corresponding tab at the bottom of the archive viewer.

- **Sample measurement:** Results of sample measurements.
- **Calibration results:** Results of calibration measurements.
- **QC results:** Results of quality control measurements.
- **Audit trail:** Computer-generated, time-stamped record of user activities.
- **User messages:** Time-stamped messages that were displayed to the user.

► To view data


- 1 Choose the tab for the desired type of data.
- 2 You may optionally filter, group, or sort the data. Open the filter controls with the filter button. 
 - You can add multiple filter parameters with the add line button. 



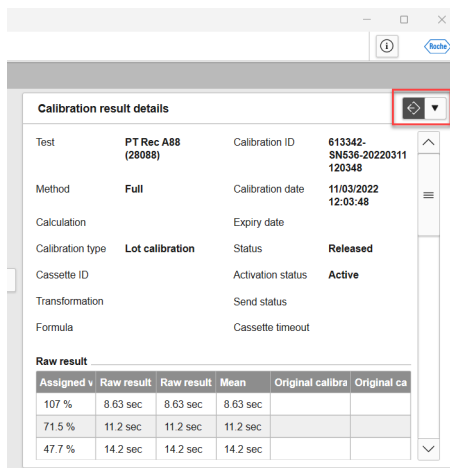
Assigned value	Raw result 1	Raw result 2	Mean	Original calibra	Orig
107 %	8.63 sec	8.63 sec	8.63 sec		
71.5 %	11.2 sec	11.2 sec	11.2 sec		
47.7 %	14.2 sec	14.2 sec	14.2 sec		

- To see the details of a data entry, choose it in the list.
→ The details open in the details panel on the right.
- An archive file from a previous version may have some empty fields in the column of results. Choose the result, and the archive viewer displays the contents of the fields in the details table.


► To export data

- Navigate to the view of the data that you wish to export. Filter the list as necessary.
- To export the list of data entries, above the list, choose the export button. 
 - To export one data entry, choose it in the list. To export all the data entries in the list, choose all or none of them. Note that the option to export all is not available for user messages.
 - The data is exported in PDF format to the location you choose.

Calibration date	ACN	Test name	Calibration ID
11/03/2022 12:03:48	28088		613342-SN536-20220311120348
11/03/2022 12:01:58	28087		613342-SN536-20220311120158
11/03/2022 12:00:10	28086		613342-SN536-20220311120010
11/03/2022 11:58:21	28085		613342-SN536-20220311115821
11/03/2022 11:56:33	28084		613342-SN536-20220311115633
11/03/2022 11:54:43	28083		613342-SN536-20220311115443
11/03/2022 11:52:54	28082		613342-SN536-20220311115254
11/03/2022 11:51:04	28081		613342-SN536-20220311115104
11/03/2022 11:49:14	28080		613342-SN536-20220311114914
10/03/2022 16:58:45	28080		613344-SN536-20220310165845



Calibration result details					
Test	PT Rec A88 (28088)	Calibration ID	613342-SN536-20220311120346		
Method	Full	Calibration date	11/03/2022 12:03:48		
Calculation		Expiry date			
Calibration type	Lot calibration	Status	Released		
Cassette ID		Activation status	Active		
Transformation		Send status			
Formula		Cassette timeout			
Raw result					
Assigned v	Raw result	Raw result	Mean	Original calibra	Original ca
107 %	8.63 sec	8.63 sec	8.63 sec		
71.5 %	11.2 sec	11.2 sec	11.2 sec		
47.7 %	14.2 sec	14.2 sec	14.2 sec		

3 To export the selected data entry's details, on the right, at the top of the details panel, choose the export button. 

→ The data is exported in PDF format to the location you select.

Related topics

- [Loading a file into the archive viewer \(10\)](#)

Configuring Quick search

The archive viewer's **Quick search** functionality automatically searches all the files in a set of pre-configured locations. This section tells you how to configure the locations of these files.

Configuring the Quick search archive storage locations

The archive viewer's **Quick search** functionality can only access archive storage locations defined in its configuration file. You must configure at least one before use.

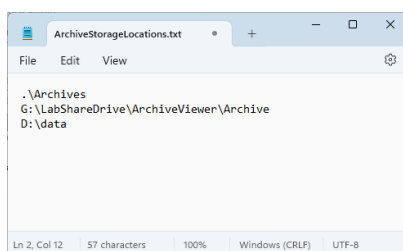
You may configure storage locations in the following places:

- A local drive
- A connected network location
- A USB flash drive
- An optical disc


You can specify up to 50 folders as storage locations for archived data.

► To configure a Quick search storage location

- 1 Create a folder on your local machine for archive files.
 - Make sure it is a folder, e.g. D:\data
 - Do *not* use a root folder, e.g. D:\
 - Do *not* name the folder "archives", if it is directly under a root folder, e.g. D:\archives
- 2 Copy the archive files from their previous location to the storage folder you created.
- 3 Navigate to the following folder:
 - C:\Users\Public\Documents\ArchiveViewerCoag
- 4 Open the file ArchiveStorageLocations.txt in Notepad or another text editor.
 - Enter the path of the folder you created in step **1**, including the drive letter, e.g. D:\data
 - Enter each storage location folder on a separate line.
 - When done, save and close the file.



▶ **To see current configured Quick search storage locations**

- 1 In the archive viewer, at the top right of the screen, choose the information button. 
→ The **About** dialog box is displayed.
- 2 In the dialog box, choose the **Storage** tab.
→ The tab displays a list of the paths to the currently configured **Quick search** storage location folders.

• **Related topics**

- [Searching for data with Quick search \(19\)](#)

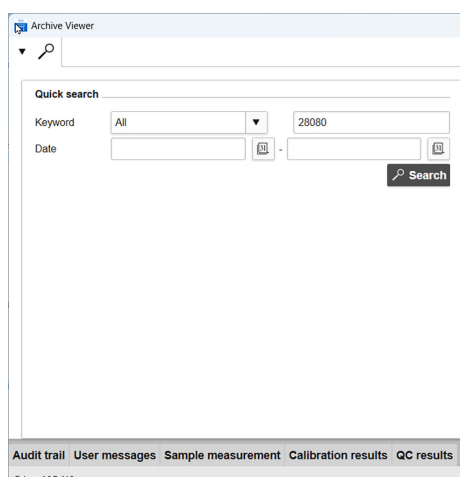
Searching for data with Quick search

Use the default **Quick search** panel to search the loaded archives.

The **Quick search** function searches all archive files in a preconfigured list of folders.

- ☞ To configure the list of folders, see the section [Configuring Quick search \(17\)](#).

Enter your search parameters into the **Quick search** fields. This filters the contents of the tabs below.



Keyword	Tab(s)
All	(All tabs with a match)

💡 In version 1.1, the option **All** is only usable in the English-language version.

Event code	Audit trail
Audit outcome	Audit trail
Message	Audit trail
Message	User messages
Event code	User messages
Sample ID	Sample measurement
ACN	Calibration results, QC results, Sample measurement
Test name	Calibration results, QC results, Sample measurement
Test long name	Sample measurement

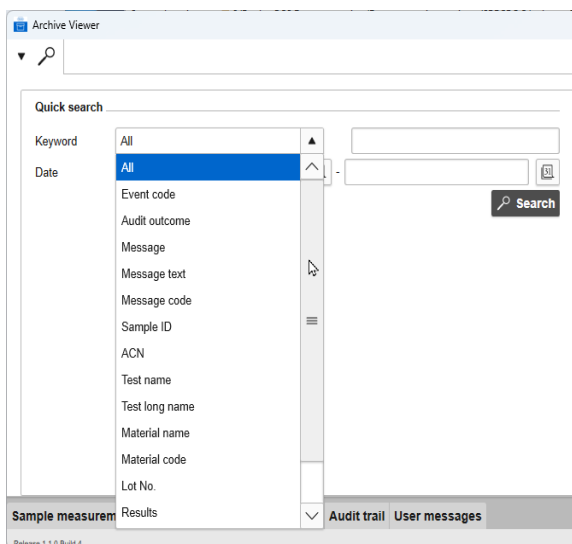
💡 Note that searching by test long name does not return calibration or quality control results.

Calibration ID	Calibration results
Material name	QC results
Material code	QC results
Lot No.	QC results
Results	QC results
Status	QC results


☞ Tab in which search results appear

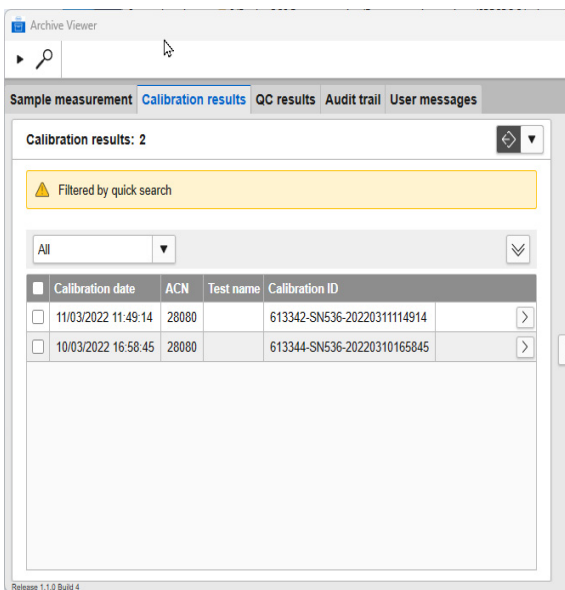


- ☐ In version 1.1, before using **Quick search**, you must select and load one archive file twice.

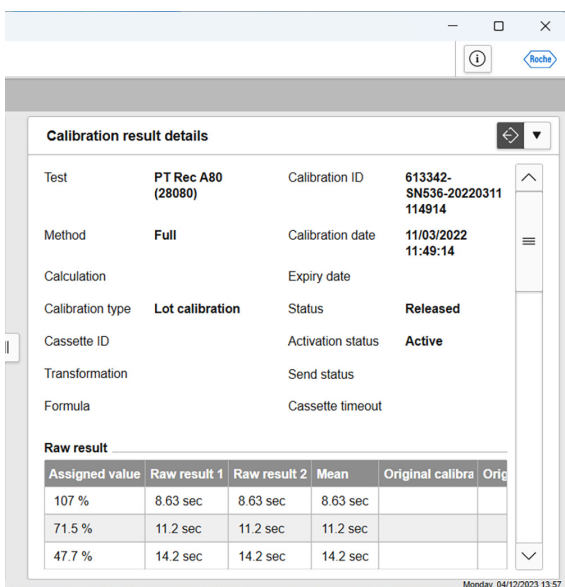


► To search the archive files

- 1 If the **Quick search** panel is not already open, at the top left, choose the magnifying-glass search icon  to open the **Quick search** panel.
- 2 From the **Keyword** drop-down list, choose the type of item you are looking for.
 - ❶ To search all types of items, choose the option **All**.
- 3 In the text field to the right of the **Keyword** drop-down list, enter your search term.
- 4 You may optionally select a date range in the **Date** fields.
- 5 Choose the **Search** button to perform the search.
 - The archive viewer searches all the files in the preconfigured locations, and loads any in which it finds a match.
- 6 At the bottom, choose the tab for the desired type of data.
 - The selected tab opens, showing the results returned by the **Quick search** parameters.
- 7 You may optionally filter the search results with the filter options in the tab, but this removes any **Quick search** filter.



- 8 To see the details of an entry in the list, choose it.
 - The details of the entry display on the right in the details panel.



- 9 An archive file from a previous version may have some empty fields in the column of search results. To see the contents of an empty field, choose the entry in the list.
 - The contents of the field are displayed in the details panel on the right, if the data exists.

Related topics

- [Viewing and exporting data \(14\)](#)
- [Configuring Quick search \(17\)](#)

