MagNA Pure 24 System

Addendum 1 to
Archive Viewer Guide 1.0
MagNA Pure 24 Archive Viewer Version 1.1

Publication information
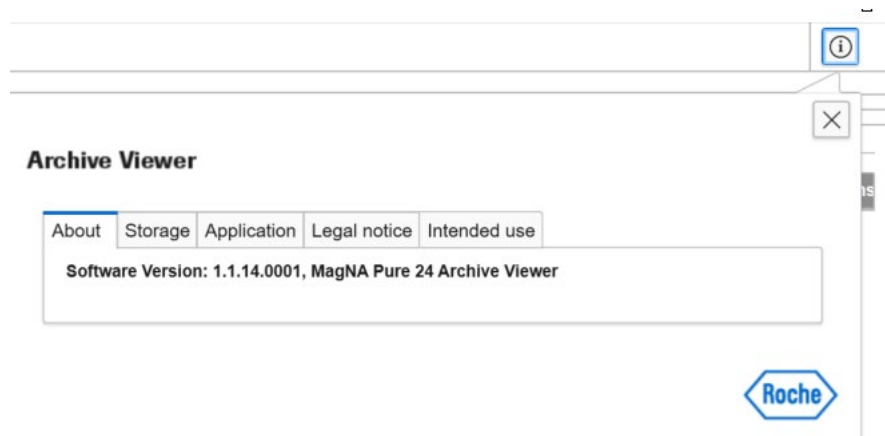
Publication version	Revision date	Description/content
1.0	May 2019	The MagNA Pure 24 Archive Viewer version released in March 2019 is version 1.1.

This addendum includes changes to the below listed documentation after this has been released. |

Documentation impacted

Publication version	Publication date	Title
1.0	May 2018	MagNA Pure 24 Archive Viewer Guide

MagNA Pure 24 Archive Viewer Version

The MagNA Pure 24 Archive Viewer launched with the MagNA Pure 24 SW1.1 released in March 2019 is version 1.1. The information is shown in the Archive Viewer under information:

MagNA Pure 24 System

Archive Viewer Guide Version 1.0

MagNA Pure 24 Archive Viewer version 1.0

Publication information

Publication version	Archive Viewer Software version	Revision date	Change description
1.0	1.0	June 2018	First version

⊞ Revision history

Edition notice

This publication is intended for users of the MagNA Pure 24 Archive Viewer.

Every effort has been made to ensure that all the information contained in this publication is correct at the time of publishing. However, the manufacturer of this product may need to update the publication information as output of product surveillance activities, leading to a new version of this publication.

Images

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Preface

Use this publication together with the MagNA Pure 24 System User Assistance.

Disclaimer

The Archive Viewer displays archived data, reads generated archive files, and displays them to the user. The Archive Viewer does not generate diagnostic results and should not be used for active patient monitoring or clinical decisions. The Archive Viewer is not intended for diagnostic use.

Symbols and abbreviations

Product names

Except where the context clearly indicates otherwise, the following product names and descriptors are used.

Product name	Descriptor
MagNA Pure 24 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.
❶	Extra information within a task.
➔	Result of an action within a task.
📅	Frequency of a task.
◐	Duration of a task.
💼	Materials that are required for a task.
🗎	Prerequisites of 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.
$\sqrt{xy}$	Equation. Used in cross-references to equations.
⚙	Code example. Used in code titles and cross-references to codes.

▦ Symbols used in the publication

Symbols used on products

Symbol	Explanation
📖	Operating instructions.

▦ Symbols used on products

About the archive viewer

The archive viewer is a standalone software running on a separate PC. The archive viewer allows you to view archives generated on the MagNA Pure 24 System.

For the executable file (EXE file) of the archive viewer, contact your Roche Service representative.

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

Minimum system requirements

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

Requirement	Specification
Operating system	Windows 7 (64 bit) Windows 10 (64 bit)
Hardware	PC
	Intel Core i5 (2.9 GHz quad-core)
	8 GB DRAM
	500 GB HDD
Network	100 Mbit/s Ethernet

⊞ Minimum system requirements

Recommended regional settings

The following regional settings for the PC running the archive viewer are recommended:

Regional setting	Specification
Format	English (United States)
Long date format	dddd, MMMM d, yyyy
Long time format	hh:mm:ss tt
Short date format	M/d/yyyy
Short time format	h:mm tt
Decimal symbol	. (period)
List separator	, (comma)

⊞ Recommended regional settings

Installing the archive viewer

To view archives generated on the MagNA Pure 24 System, install the archive viewer on a separate PC.

To install the archive viewer, you need the EXE file of the archive viewer. For the EXE file of the archive viewer, contact your Roche Service representative.

Data security

Restrict physical access to the PC where you install the archive viewer, and all attached IT infrastructure (computer, cables, network equipment, etc.). Protect the archives from unauthorized access.

Up to 10 minutes

☐ EXE file of archive viewer
☐ PC meeting the system requirements

☐ Right to install software on the PC
☐ Regional settings on the PC adapted

▸ **To install the archive viewer on a PC**

1 Copy the archive viewer EXE file to the PC.

2 Close all other applications on the PC.

3 Double-click the EXE file and choose the **Install** button.

4 Wait until the archive viewer is installed successfully and choose the **Close** button.
➜ The archive viewer icon is added to the desktop.

5 Configure the archive viewer storage locations and the archive viewer settings as described in (▸🗐 9).
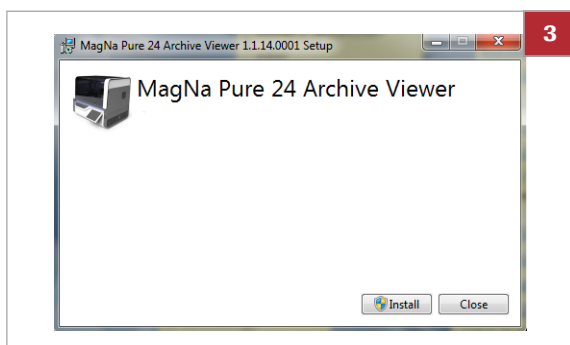
Configuring the archive viewer

After installation of the archive viewer, configure the archive storage locations and the archive viewer settings.

For the archive viewer's quick search to work, you must configure the archive storage locations.

In this section

Configuring the archive storage locations

To use the archive viewer's quick search, configure the archive storage locations on the PC running the archive viewer.

The archive storage locations are the folders where you store the archives:

- On a local drive
- In a connected network location
- On a USB flash drive
- On an optical disc

Transfer the archives from the external storage device (configured as archive location on the MagNA Pure 24 System) to the configured archive storage locations.

☐ Archive viewer installed on PC

▶ **To configure the archive storage locations**
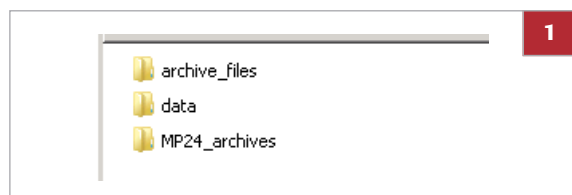
1 Create up to 10 storage locations (i.e., folders) for archives. Observe the following:

- Do not store archives in a root folder *drive:* of the PC, e.g., *D:*.
- Always store archives in a folder, e.g., *D:\data*.
- Do not name the folder "archives" if it is located directly under a root folder *drive:*, e.g., *D:\archives*.

2 On the PC, navigate to the following folder: *C:\Users\Public\Documents\ArchiveViewer*
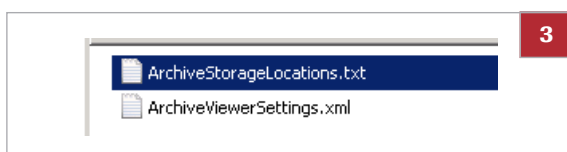
3 Open the (empty) file *ArchiveStorageLocations.txt* in a text editor.
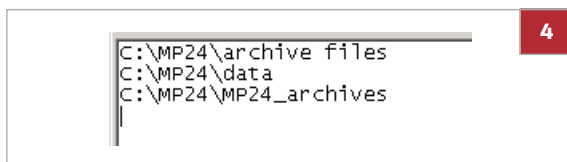
4 Write the filepaths to the storage locations you created in step **1** to the file. Use a separate line for each location.

5 Save and close the file.

➀ The archive viewer's quick search can only access configured archive storage locations.

Configuring the archive viewer settings

The archive viewer settings determine the header and format of reports exported from the archive viewer.

The archive viewer settings take effect when exporting a report from the archive viewer.

The following table lists the possible values for the archive viewer settings:

Setting	Possible values
`name`	• Text • 0–50 characters
`address1`	• Text • 0–50 characters
`address2`	• Text • 0–50 characters
`address3`	• Text • 0–50 characters
`address4`	• Text • 0–50 characters
`contact`	• Text • 0–50 characters
`logo`	• PNG file
`pageFormat`	• `A4` (default value) • `Letter`

⊞ Archive viewer settings
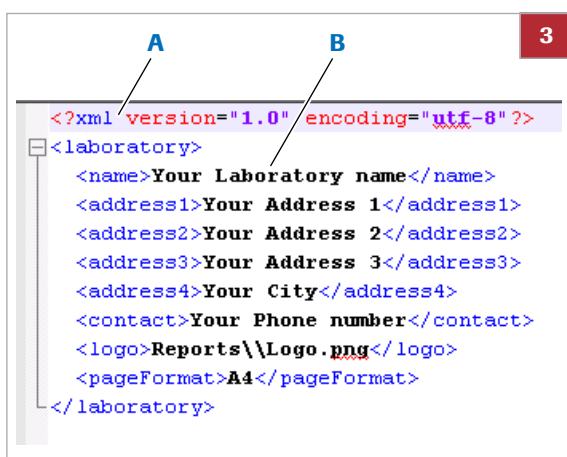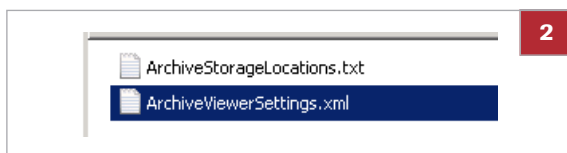
⊞ Viewing archive entries (18)

☐ Optional: laboratory logo as PNG file

☐ Archive viewer installed on PC

▸ To configure the archive viewer settings

1 On the PC, navigate to the following folder:
C:\Users\Public\Documents\ArchiveViewer

**2** Open the file *ArchiveViewerSettings.xml* in a text editor.

A Blue and red text: XML code (do not change)
B Black text: replace with your laboratory information

3 Enter your laboratory information in the file. Observe the possible values given in the table above:

- To include your laboratory name, address, and phone number in the report header, replace the following text:
  ```
  Your Laboratory name
  Your Address 1
  Your Address 2
  Your Address 3
  Your City
  Your Phone number
  ```

- Optionally, to include your laboratory logo in the report header, replace the text `Logo` with the name of your logo file.
  Keep `Reports\\` and the file extension `.png`.

- To change the report page format from A4 to Letter, replace the text `A4` with `Letter`.

- To exclude text from the report header but keep an empty line in the report header, delete the text between the angled brackets, e.g.:
  ```
  Your Address 3
  ```

- To exclude text from the report header without an empty line, delete the complete row from the file, e.g.:
  ```
  <address3>Your Address 3</address3>
  ```

4 Save and close the file.

5 If you entered a logo file name in the file, navigate to the following folder on the PC:
C:\Program Files\Roche Diagnostics\MP24\ArchiveViewer\Reports
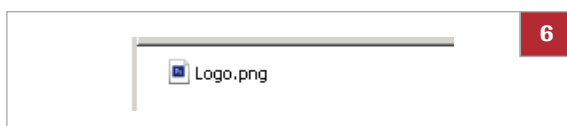
6 Copy the logo file to the folder.
ⓘ The logo file name must be exactly as entered in the file.
The logo file must be a PNG file.

Results (Purification)	**7**
Your Laboratory name Your Address 1 Your Address 2 Your Address 3 Your City Your Phone number	Roche

7 Create a report:

- Perform a quick search as described in (▸🗐 15).
- Alternatively, import an archive as described in (▸🗐 17).
- Export a report as described in (▸🗐 18).

8 Check the report header. If necessary, correct the file *ArchiveViewerSettings.xml* as described in steps **1** to **4**.

Using the archive viewer

On the MagNA Pure 24 System, archiving generates an archive that consists of 3 separate files:

- Index file for quick search (*.index* file extension)
- Archive file with metadata (*.archive* file extension)
- Packed file with the actual data (*.part0* file extension)

If you transfer the archives to a different location (e.g., from the external storage device to the archive storage locations), make sure to transfer all files of the archive.

NOTICE

Data security

Risk of misuse and/or manipulation of archive files.

▸ Transmit and store archive files via secure channels (e.g., using sFTP or a dedicated external storage device).

▸ Ensure that files at the archive location (e.g., PC) are secured.

In this section

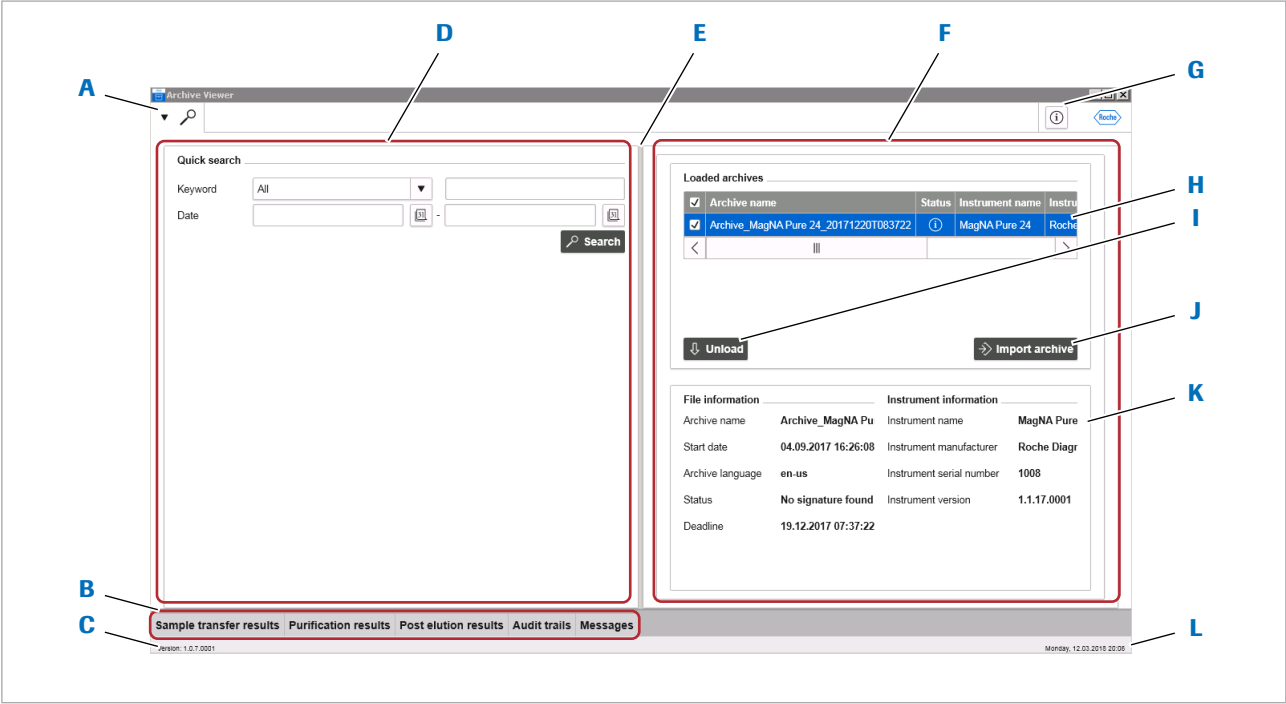# About the user interface of the archive viewer

For ease of use, the user interface of the archive viewer is based on the same tab, panel, and navigation concepts used by the MagNA Pure 24 Software.

A	Quick search tab	
B	Tabs	
C	Version	
D	Main panel	
E	Panel splitter	
F	Detail panel	

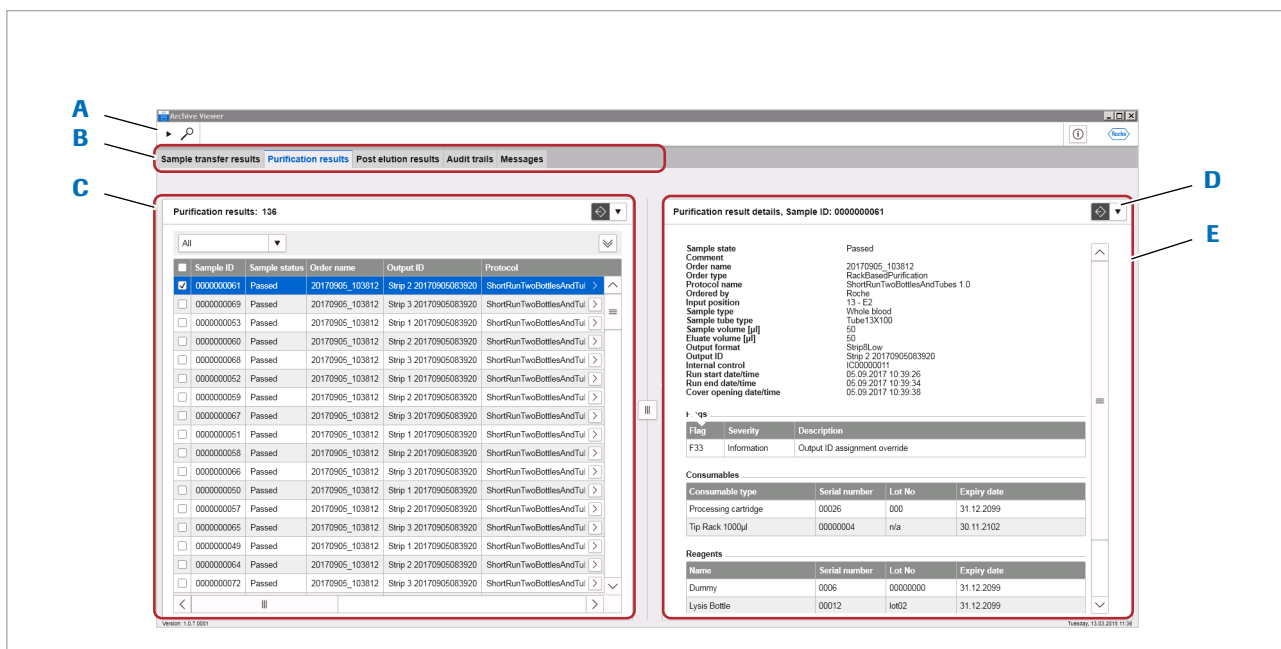|		
G	Information button	
H	Loaded archives	
I	**Unload** button	
J	**Import archive** button	
K	Archive and instrument information	
L	Date and time	

▣ Overview of the archive viewer

About the archive entries

To display archive entries, choose one of the tabs at the bottom of the main panel.

To display details of an archive entry on the detail panel, choose the entry.

A Quick search tab

B Tabs

C Archive entries

D Export/print button

E Details of archive entry

▣ Archive entries

Accessing all archives using the quick search

To access specific archive entries across all archives, use the archive viewer's quick search.

The quick search accesses all archives in all configured archive storage locations.

Archives stored outside of the configured archive storage locations are excluded from the quick search.

☐ Archives transferred to configured archive storage locations.

▸▤ Configuring the archive storage locations (9)

▸ **To access all archives using the quick search**

1 To start the archive viewer, double-click the archive viewer icon on the desktop.

A   **Keyword** drop-down list

B   **Date** field (start date of search period)

C   **Keyword** field

D   **Date** field (end date of search period)

2   In the **Quick search** group box, enter the search criteria:

- From the **Keyword** drop-down list, choose a keyword.
- In the **Keyword** field, enter a search value for the selected keyword.
- In the **Date** fields, enter the start date and the end date of the search period.
- ❶ The quick search accesses *all* archives in the configured archive storage locations.

3   Optionally, to display all entries of all archives, leave all search criteria empty.

- ❶ Depending on the amount of archived data, this may take a long time.

4   Choose the **Search** button.

5   To confirm loading of the archives, choose the **Load** button.

- ❶ The **Ignore** button cancels loading of the archives.
- ➜ All archives that contain entries matching the search criteria are imported into the archive viewer.
- ➜ The imported archives are listed in the **Loaded archives** group box.

6   To adapt the quick search, do the following:

- Go back to step **2** and adapt the search criteria.
- To exclude specific archives from the quick search, choose the archives and choose the **Unload** button.
- To include some of the previously excluded archives again, import the archives as described in (▸🗐 17). Choose the **Search** button.
- To include *all* of the previously excluded archives again, choose the **Search** button again.
- ❶ If you want to narrow the quick search, consider the number of archives. It may be faster to use the import function and to filter the displayed archive entries.
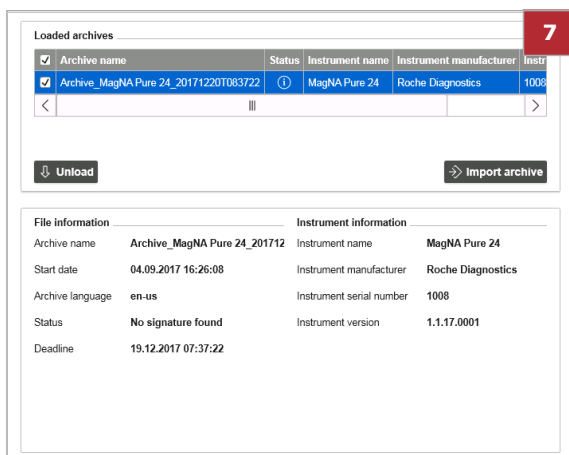
7 To display file and instrument information for an archive, choose the archive.

8 You can view the search results as described in (▸🗐 18).

▸🗐 **Related topics**

- For archiving data, see the User Assistance.
- Configuring the archive storage locations (9)
- About the user interface of the archive viewer (14)
- Accessing specific archives using the import function (17)
- Viewing archive entries (18)

Accessing specific archives using the import function

To access all archive entries of specific archives, use the archive viewer's import function.

The import function can access archives stored outside of the configured archive storage locations, e.g., on the external storage device used as archive location on the MagNA Pure 24 System.

▸ **To access a specific archive using the import function**

1 To start the archive viewer, double-click the archive viewer icon on the desktop.
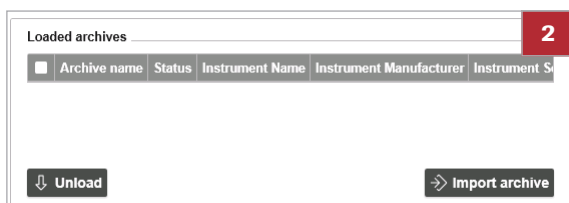
**2** In the **Loaded archives** group box, choose the **Import archive** button.

3 Navigate to the archive file. Choose the file and choose the **Open** button.
   ❶ You can choose several archive files in the same folder.

4 To confirm loading of the archive, choose the **Load** button.
   ❶ The **Ignore** button cancels loading of the archives.
   ➔ The archive is displayed in the **Loaded archives** group box.
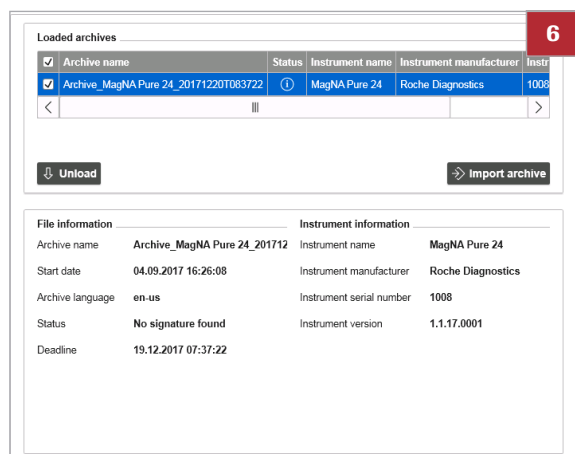
5 To import additional archives, repeat steps **2** to **4**.

    ❶ If you want to import several archives, consider the number of archives. It may be faster to exclude some archives from a quick search without search criteria.

6 To display file and instrument information for an archive, choose the archive.

7 You can view the entries in the imported archives as described in (▸🗐 18).

8 Optionally, to unload the archive again, choose the archive and choose the **Unload** button.

▸🗐 **Related topics**

- For archiving data, see the User Assistance.
- About the user interface of the archive viewer (14)
- Accessing all archives using the quick search (15)
- Viewing archive entries (18)

Viewing archive entries

You can view, sort, filter, group and/or export the results, audit trails, and messages contained in the archives.

After a quick search or an archive import, the archive entries are displayed on the main panel.

About archive viewer reports

If you export archive entries from the archive viewer, the archive viewer settings determine the header and the logo on the reports.

▸🗐 Configuring the archive viewer settings (10)

☐ Quick search executed or archives imported
☐ Archive viewer settings configured

▶ To view archive entries

1 To display the archive entries, choose a tab at the bottom of the main panel:

- ▪ **Sample transfer results**
- ▪ **Purification results**
- ▪ **Post elution results**
- ▪ **Audit trails**
- ▪ **Messages**
- → The corresponding archive entries are displayed.
- → If the displayed archive entries are filtered by a quick search, a corresponding message is displayed.
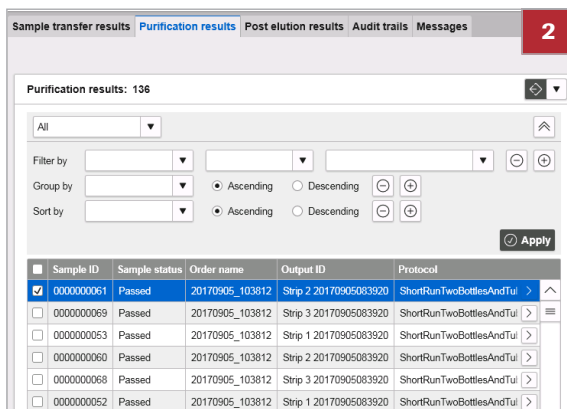
2 On the main panel, you can sort, filter, and/or group the archive entries as described in the User Assistance:

- ▪ To sort in ascending or descending order, choose a column header.
- ▪ To display the filter panel for additional options, choose the ▽ button.
- ❶ You cannot save a custom filter.

3 To export archive entries as PDF report, on the main panel, choose the ◇ ▼ button:

- ▪ Optionally, to include only specific archive entries in the reports, choose the entries.
- ▪ To export an overview report, choose the **Export overview** command.
- ▪ To export an overview report and details reports, choose the **Export overview and details** command.
- ❶ The **Export overview and details** command creates a separate PDF for each archive entry included in the overview report. Depending on the number of archive entries, this may take some time.

4 To view the detail of an archive entry, choose the archive entry.

- → The archive entry is displayed on the detail panel.
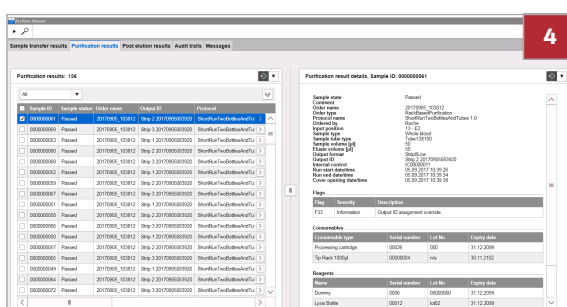
5 To export an details report of the archive entry, on the detail panel, choose the [⬦ ▾] button. Choose the **Print details** command or the **Export details** command.

> ❶ For user messages, you can export a details report on the detail panel only. You cannot export an overview report or details reports on the main panel.

Related topics

- Configuring the archive viewer settings (10)
- Accessing all archives using the quick search (15)
- Accessing specific archives using the import function (17)