

# UNICORN 5.20 AA

The information in this document is valid for the following software versions and systems:

- UNICORN™ 5.20 AA
- ÄKTAdesign™ systems:
  - ÄKTAexplorer™ 100
  - ÄKTAexplorer 100Air
  - ÄKTAexplorer 10
  - ÄKTAexplorer 10S
  - ÄKTAexplorer 10 XT
  - ÄKTApurifier™ 10
  - ÄKTApurifier 10 XT
  - ÄKTApurifier 100
  - ÄKTAFLPLC™
  - ÄKTAbasic™ 10
  - ÄKTAbasic 10 XT
  - ÄKTAbasic 100
  - ÄKTA™ Oligopilot™
  - ÄKTApilot™
  - ÄKTAxpress™
  - ÄKTAcrossflow™
- Ettan™ design systems:
  - Ettan LC
  - Ettan microLC
- BioProcess™
- ÄKTAprocess™
- UniFlux™
- ÄKTAcrossflow™
- OligoPilot
- OligoProcess™

UNICORN 5.20 AA is designed specifically to work under the following operative systems:

- Windows™ XP 32-bit EN SP3
- Windows Vista™ Business 32-bit EN SP1

and with the following controller units:

- CU-950
- CU-960

Windows 2000 and CU-900 Controller Boards are not supported.

The user documentation for UNICORN 5.1 is also valid for UNICORN 5.2. These documents are :

- Getting Started with UNICORN 5.1
- UNICORN 5.1 User Reference Manual
- UNICORN 5.1 Administration and Technical Manual.

The changes implemented in UNICORN 5.2 compared to the previous version 5.11 are described in the following document :

Software change description: UNICORN 5.2 vs 5.11 28-9436-30 AB



## 1. Cautionary Notes

### 1.1. UNICORN

#### General

1. **Scenario :** Using the online manuals or help files allows the user even in 'single application mode' to use the browser to access the computer hard disk.  
**Action :** Restrict the operating system on user level using the Policy Editor, as described in the Administration and Technical Manual, section 5.5, Single application mode. Alternatively, choose not to install the online-manual.
2. **Scenario :** After performing backup to a removable disk, regardless of the amount of disks needed, the zip-utility will always ask to insert the first disk of the Multi-Volume set.  
**Action :** Click the OK-button and further disregard this message.
3. **Scenario :** When naming Method and Result Files, remember that the characters \ / : \* ? " < > and | are not allowed in filenames in Windows.
4. **Scenario :** UNICORN will not be able to connect to the system(s) if you logoff from Windows, logon as a different user, and then start UNICORN.  
**Action :** Do not logoff from Windows, just logoff and logon to UNICORN. If you have logged off from Windows, shut down and restart the computer, then start UNICORN and connect to the system(s).
5. **Scenario :** Systems settings and calibration values are reset when the strategy for a system is changed.  
**Action :** Check default values for System Settings before the strategy change and recalibrate all relevant modules afterwards.
6. **Scenario :** Commas may not be used as separators for decimal values.  
**Action :** Use decimal points as separators.
7. **Scenario :** UNICORN does not acknowledge a Pause/Continue command made directly on the system.  
**Action :** Our recommendation is that the System Setting "Keyboard" always be set in KeyLocked mode (the default setting).
8. **Scenario :** In some installations the HP DeskJet 895 will not print documents from UNICORN in landscape mode.  
**Action :** Do not use the printer driver for HP

DeskJet 895 that is supplied with Windows. Select the printer driver for HP DeskJet 855C instead.

9. **Scenario :** Problem when selecting a folder in browse folder dialogs.  
**Action :** Select a folder by moving to its parent and select the preferred folder there. It is also possible to select the folder which contents is visible by selecting its "go to parent" icon.
10. **Scenario :** UNICORN requires permission for the operating system user to write in the windows registry. The permission is set according to document registryPermissions.ppt.  
**Action :** Set permission for all operating system users that will be running UNICORN according to document registryPermissions.ppt.
11. **Scenario :** Error message "Unable to connect to system" is displayed when starting UNICORN directly after starting up the PC.  
**Action :** Wait until the start up procedure of the PC is completed before starting UNICORN. UNICORN requires that some background processes is up running in order to connect to systems.
12. **Scenario :** Unauthorized persons may be able to log on if UNICORN users are using too weak passwords. This applies to both log on passwords and to temporary lock passwords.  
**Action :** Use strong passwords.

#### Installation

1. **Scenario :** Microsoft Windows XP/Vista contains a Digital Code Signing feature that helps to guarantee the authenticity and integrity of software running in Windows XP/Vista. During installation of the drivers for CU-950, a warning message indicating the lack of such digital signature may pop up.  
**Action :** Consider this warning a precaution. The drivers for UNICORN controllers are completely safe to install. Click therefore the Yes button and proceed with the installation process.
2. **Scenario :** The 16-bit unpacking programme used during installation of new templates cannot open folders with long names or names which contain symbols.  
**Action :** Change any folder names on drive c: if necessary before beginning installation.
3. **Scenario :** The error message "The dll snmpapi.dll could not be found in the specified path" may occur during installation. Snmpapi.dll is a Microsoft dll and the name stands for "Simple Network Management Protocol API". This message likely

indicates that the TCP/IP protocol isn't running on the target computer.

**Action :** Ignore the error message. It does not affect the installation.

4. **Scenario :** There is an error in the OPC Manual. The error affects customers that use OPC for communication over a network. Depending on the network settings it is sometimes necessary to edit the 'Authentication Level'. **Action:** Set the 'Authentication Level' to 'None' instead of 'Default'. The COM server (alternatively the computer) must be restarted before OPC is used.
5. **Scenario :** There is an error in the OPC Manual. The error affects customers that use OPC for communication over a network. In Chapter 3 it says that "Change Identity from 'The interactive user' to 'The launching user'". It should be the other way around: "Change Identity from 'The launching user' to 'The interactive user'". The corresponding image shows the correct settings. **Action:** Change Identity from 'The launching user' to 'The interactive user'. The COM server (alternatively the computer) must be restarted before OPC is used.

## UNICORN manager

1. **Scenario :** It is strongly recommended not to interrupt the backup process.
2. **Scenario :** It is not possible to restrict the ability to use the CONTINUE function in the System Control module. All users are able to use the CONTINUE function regardless of their access rights.
3. **Scenario :** If for some reason log files appear in the UNICORN/Dll directory they will be flagged as unknown in the list created by the Administration/Generate file list command. **Action :** No action is needed. The files do not affect UNICORN in any way.
4. **Scenario :** Some of the sound files have deviant status (OK vs. runtime) in the list created by the Administration/Generate file list command. **Action :** No action is needed. The different status do not affect UNICORN in any way.
5. **Scenario :** The cu950.bin file in the UNICORN/bin directory is flagged as unknown file type in the list created by the Administration/Generate file list command. **Action :** No action is needed. The type of this file does not affect UNICORN in any way.

## Method Editor

1. **Scenario :** When a name of a block is changed/replaced in text instructions-mode, a complete new block will be created, while the complete old block will be moved to (Unused). **Action :** Rename the block by the Rename Block command in the Block drop down menu.
2. **Scenario :** A method with infinite loops causes the System Control module to lose contact with the system. **Action :** It is not advisable to start Method that contains infinite loops outside the watch calls.
3. **Scenario :** If you choose a column for a method made for a non-ÄKTAdesign system, there will be no question about Column Value Update as with ÄKTAdesign systems. **Action :** Update the Column instructions in the method.
4. **Scenario :** To be sure that the Gradient function works properly, we recommend that the entire gradient be structured in one block, where the End Block and Gradient\_length have the same value.
5. **Scenario :** The list of techniques available for selection includes only techniques used for ÄKTAdesign systems. **Action :** Select technique Any for other systems
6. **Scenario :** When creating new templates for BioPilot and FPLC systems, you have to set Column to Any in order to save as a new template.
7. **Scenario :** Methods can not be opened in versions older than the one where they were created. I.e. UNICORN is not forward compatible. **Action :** Create methods with the software that will run them.

## System control

1. **Scenario :** When UNICORN is installed without Password protection, and a method containing a message instruction that needs to be authorized, this message dialogue can not be shut down and the instrument will run in infinite pause mode. **Action :** Installation without password disables the confirm/sign function for a user. Therefore do not use Authorization when UNICORN is installed without password protection.
2. **Scenario :** UNICORN will not notify the user when free capacity of the storage disk is insufficient for saving the ongoing run. When possible, the data

of the ongoing run will be stored in the Failed folder.

3. **Scenario :** When using a variable wavelength detector (Monitor UV-900) UV curves are automatically given names containing the UV wavelength. Names are displayed together with the curve in the System Control curve window. At the end of a run the curve name is changed back to its default name but the curve data from the run is still seen in the window and therefore the curve and curve name do not match.  
**Action :** No action required. UV curves are always stored in the result file with the correct wavelength information in the curve name.
4. **Scenario :** If you execute the instructions Record\_on and End\_Timer or Pause\_Timer simultaneously during manual runs, there is a possibility that the run will go on infinitely.  
**Action :** Do not execute the instruction Record\_on simultaneously with an End\_Timer or Pause\_Timer instruction.
5. **Scenario :** If you press the Continue button during PumpWash execution the Pump module may be set in End mode although the method continues to execute. This affects the whole method execution and will most probably give incorrect results.  
**Action :** Never press Continue during PumpWash execution.
6. **Scenario :** The tuning dialog has disappeared from the System menu after upgrading from UNICORN 4.12 or earlier.  
**Action :** Get an updated strategy that includes feedback tuning settings or install UNICORN 4.12.
7. **Scenario :** The communication between the PC and the "CU950 advanced mode" fails and then reestablishes by itself within 10 seconds when the PC goes into standby mode or hibernation mode.  
**Action :** No data is lost so no action is needed. However, it is possible to switch off the standby and hibernation feature in the power options in the control panel of the PC.

## Evaluation

1. **Scenario :** When recalculating values manually, the obtained value will differ from the one calculated by UNICORN as UNICORN only shows the first few decimal digits of the values, while the software calculates with more decimal digits.
2. **Scenario :** No titles on report print-outs from Batch run-Evaluation procedure.  
**Action :** Use the 'File-Report' command.

3. **Scenario :** Not possible to start batch run without having a result file open.  
**Action :** Open any result file and choose batch run
4. **Scenario :** When the Result Name is changed in the Start Protocol when starting a method, the Result Directory in the Result Name tab of the Documentation will reflect the Result Directory as defined in the Method Editor. The Result Name on the Result Information tab however will reflect the changes made in the Start Protocol.
5. **Scenario :** When a system is controlled remotely, and the result is saved locally, this Result file will not show up in the Recent Runs tab on the controlling computer.  
**Action :** Open the Result file on the remote computer using the UNICORN Manager or setup a network including the local disk of the remote computer.
6. **Scenario :** In the Results Information-tab in the Documentation window, timezones between 'Date of creation', 'Date of last modification' and 'Strategy date' may differ. 'Date of creation' and 'Strategy date' are based on the computer's settings, while 'Date of last modification' as based on the settings of the computer where the last modification is made.
7. **Scenario :** When exporting curves to AIA-format using File-Export-Curves will overwrite any previously saved similar AIA curves without warning.  
**Action :** Use the 'File-Export-Export Curve to AIA' command.
8. **Scenario :** Only the curves belonging to the active chromatogram can be selected in the Report format.
9. **Scenario :** The table in 'Operations-Fraction Histogram' does not exist.  
**Action :** The Table has moved and has been extended. It is now found as a pool table in 'Operations-Pool'.

## 1.2. Wizard

1. **Scenario :** When making a new method that differs substantially from the latest made with the Method wizard, we recommend that you click on the Set Default button on the initial Method wizard dialogue.

### 1.3. Controller Unit, CU-950

1. **Scenario** : When running method queues on several systems connected to the same CU-950 Advanced, it is recommended to avoid burdening the network as this might lead to pausing the method queues.
2. **Scenario** : If two local drivers on separate computers are configured to use the same CU-950 Advanced controller unit, the CU-950 Advanced will stop responding.  
**Action** : Avoid local drivers on separate computers to make use of the same CU-950 Advanced controller unit.
3. **Scenario** : In rare cases, such as heavy network load, the system reports "Communication broken" when recovering data after a network failure.  
**Action** : No action needs to be taken. The data is fully recovered.
4. **Scenario** : The USB cable between the CU-950 and the PC has accidentally been unplugged.  
**Action** : Wait until the PC-LED on the CU-950 starts to blink before reconnecting the USB cable.
5. **Scenario** : Loss of data after a communication error when running with an advanced CU-950 without the compact flash.  
**Action** : Alter settings in System Control -> System -> Settings -> Control Unit from CONTINUE to PAUSE.

## 2. Deviations

### 2.1. UNICORN

#### General

1. **Scenario** : Depending on the operating system, it might happen that the time indication in the report format is missing.  
**Action** : Change time-format in the operating system.
2. **Scenario** : When for some reason the computer needs to be restarted during the chromatography run, the first new chromatogram according to the instruction New\_Chromatogram in the running Method will be named a default name. All other chromatograms will be stored correctly.
3. **Scenario** : Message boxes from the system control module are obscured by another application window when running in "single mode application".  
**Action** : Keep the system control window on top while not working in other applications. Use Alt-Tab to switch to the system control regularly if you are doing much work in another application.

#### Installation

1. **Scenario** : When installing manuals, tracking the scrollbar to the end will not bring you down to the complete end of the list.  
**Action** : Continue scrolling down using either mouse or arrows on keyboard
2. **Scenario** : When moving back and forth in the Installation Program, the bitmap figures on the left side of the dialog windows may disappear

#### Unicorn Manager

1. **Scenario** : When double-clicking on a method in the UNICORN Manager, occasionally the default method is opened instead of the method that was intended.  
**Action** : Try to re-open the method once more.
2. **Scenario** : Occasionally, when the UNICORN Manager is left while performing backup to multiple disks, the UNICORN Manager will stall when it is opened again in response to a dialog window in the UNICORN Manager.  
**Action** : Do not activate another window while performing a backup. Alternatively, do the backup to a disk that has sufficient free space to contain the complete backup file.

3. **Scenario :** When a user with full access logs in in UNICORN after a user with restricted access to the UNICORN Manager has logged out, the 'Restricted Access UNICORN Manager' will still be active, besides the regular UNICORN Manager.  
**Action :** Close the 'Restricted Access UNICORN Manager' by clicking the Cancel-button or the Close button in the upper-right corner of the window.
4. **Scenario :** The names of imported old methods may have to be changed to have a mXX file extension.  
**Action :** Replace "XX" in the file extension with the number of the specific system the method is assigned to. If you only have one system connected, the file extension should be "m01".

## Method Editor

1. **Scenario :** When a dialog window is opened in the Method Editor module, opening a Method file using the UNICORN Manager will cause the Method Editor module to stop responding.  
**Action :** Close all dialog windows in the Method Editor module before opening another Method file.
2. **Scenario :** Occasionally, the operating system settings will cause the Method Editor to fail to open automatically when double-clicking a method in the UNICORN Manager.  
**Action :** Double-click once more on the method. Alternatively, open the Method Editor manually by clicking on the Method Editor tab.
3. **Scenario :** Variables that are defined in blocks below level 10 in the call chain are always shown as 'unused variables', even if they are used. Also, variables in an infinite loop may be defined as 'unused' incorrectly.  
**Action :** Check 'Show unused variables' and 'Show details' to show all variables.
4. **Scenario :** When the Base of a block changes to a volume-dependent base, based on the samplepump with the command 'MethodBase Samplepump', the method will continue to calculate on the system pump's volume changes.  
**Action :** Keep the system pump running at the same flow rate as the sample pump when changing MethodBase Samplepump.
5. **Scenario :** Sometimes variables may be missing from the Variables tab on the Run Setup.  
**Action :** Click the Show details and Show unused variables checkboxes. This will display all variables.
6. **Scenario :** Sometimes infinite loops may be indicated when a text method is printed.  
**Action :** The indications can be ignored if this hasn't been noted in the Method Editor text view or in the Run Setup.
7. **Scenario :** If you set a Gradient instruction before PumpWash (at the same breakpoint), the gradient will go to the target immediately (with length 0). However, the Gradient profile in the Method Editor will show the Gradient as if it followed the normal set length.  
**Action :** Place the Gradient instruction on another breakpoint after the PumpWash.
8. **Scenario :** In some cases the unit and tick marks on the x-axis do not match in the gradient diagram when switching to and from the gradient window. This is a visual effect only. It does not affect the method run in any way.
9. **Scenario :** A vertical line may appear at break point in the gradient diagram when switching to and from the gradient window. This is a visual effect only. It does not affect the method run in any way. The effect has only been found in editions earlier than 5.0.
10. **Scenario :** In rare cases the column list may get corrupted or may get empty. This will only occur if the list is not stored locally on the UNICORN computer. This may occur if the column list is edited frequently by several users or is edited over an unreliable network connection.  
**Action :** Actions to minimize the problem are: Stabilize the network, Minimize the size of the column list, Restart computers regularly, Set up users so that only one user is allowed to edit the column list, Backup the column list regularly.
11. **Scenario :** Syntax error in block after a block import. Blocks containing columns are not imported correctly.  
**Action :** Replace the (commented out) instruction containing the column with a new identical one.
12. **Scenario :** Importing blocks to a method may fail when blocks have the same names in the two methods.  
**Action :** Rename blocks in the method in the Method Editor so that no name collisions will occur when importing

13. **Scenario :** When in the Run Setup Screen/Result Name Tab and entering a new name in the "scouting subdirectory" field, clicking on other tabs and then returning to the "result name" tab may cause the new scouting subdirectory name to revert back to the original name.

**Action :** If you enter a new name in the "scouting subdirectory" field then save the method and reopen it without navigating to any other tabs, the new name should be stable. You can then navigate through any other tabs without losing the new name.

## System Control

1. **Scenario :** When a method using BufferPrep failed to start because of a compilation error in the method, the command 'BufferPrep ON 1' will appear as the first line in the Logbook as soon as a new method is started, regardless whether or not this new method contains a BufferPrep command. After this notification in the Logbook, the base is reset and the normal logbook for the new method is displayed.
2. **Scenario :** When running 4 systems from the same computer over the network, and all 4 systems end simultaneously, creating very large Result files, some of these files may be stored in the \Failed-directory.
3. **Scenario :** A pause-action in response to an error will not be sent to the instrument if such an error occurs while the communication between the computer and the CU-950 controller unit is lost.
4. **Scenario :** If an End or Pause Timer is activated manually before a Method is started, the timer will still be active, although it is not registered in the Logbook.  
**Action :** When an End or Pause Timer is activated manually, the manual run should first be ended before the next method is started.
5. **Scenario :** The base of a Watch-function will be used in the logbook as soon as the condition occurs, regardless of the base of the block that is ongoing at that time. If a Hold\_Until command is used at that point, the base that is recorded in the logbook will then be the base that is used in the Watch-function when the condition occurs, even if this is not the base for the Hold-Until function. This discrepancy does however only apply to the logbook.
6. **Scenario :** System Control will stop responding if the user edits the tube number-variable, belonging to the 'Start At' parameter for the Fractionation' and 'Peak\_Fractionation', on the Scouting-tab of the documentation at the same time as the run ends.  
**Action :** Avoid editing these values during runs if possible.
7. **Scenario :** When the scroll bar arrows are disabled in Maintenance Manager, scrolling up or down using the arrows in the Maintenance Manager will cause the scroll bar to stop responding. After refreshing the window, the scroll bar completely disappears  
**Action :** Close and re-open the window.
8. **Scenario :** The hatches in a chromatogram, created by the Hatch-function on the Curve Style and Color tab are missing when printing.
9. **Scenario :** System name and Strategy information is not registered in Documentation when performing a manual run.  
**Action :** Document the system name and strategy information in the Notes tab of the Documentation.
10. **Scenario :** Switching the System Control window between different ÄKTAxpress systems that are running manual runs will cause the result name on the title bar to display the incorrect Result Name. This does however not affect the actual Result File.
11. **Scenario :** When method A constructed for system x is running on system y, and method B, also constructed for system x is running on a system different from system y, will cause the information in Documentation in the System Control module of any system running a method to constructed for system x, to reflect the information of the latest started run based on a method constructed for system x. This will however not affect the final Result Files.  
**Action :** Create copies of the methods for the different systems that the method will run on.
12. **Scenario :** When clicking on any command with a digit-interval for its first parameter in the Manual menu, followed by the Snapshot command, will limit the input that can be used as a snapshot name to the same interval as the previously opened command with the digit-interval.  
**Action :** First click Set\_Mark to reset the interval before taking a Snapshot, alternatively close the Manual instruction box and re-open by clicking directly on the Other command.
13. **Scenario :** It is not possible to import SMART Manager and FPLCdirector™ files that contain more than 20 chromatograms.

- 14. Scenario :** The manual SetMark and SnapShot instructions cannot be executed through UNICORN OPC Server.
- 15. Scenario :** If a method compilation error appears when trying to run a BufferPrep mode method, the method does not start but the BufferPrep recipe is still downloaded to the Pump instrument module. An error will then occur as soon as another BufferPrep recipe is downloaded, e.g. if you try to run a BufferPrep method again. This error will also occur when a BufferPrep recipe is selected manually before a method running in BufferPrep mode is started and when running a method which includes BufferPrep.  
**Action :** To "remove" the downloaded BufferPrep recipe from the Pump module, execute any instruction, e.g. a Flow instruction, and then press the End button. (The dummy instruction must be executed for the END button to be enabled.) This action applies to all situations where you want to abort BufferPrep mode.
- 16. Scenario :** If an ALARM event occurs during PumpWash, the system is Paused as intended but is Continued when PumpWash has ended. The same applies to the SystemWash instruction. Normally, the system will remain in Pause after an ALARM.
- 17. Scenario :** Communication failure at the end of a scouting run when using a long chromatogram name in the New\_Chromatogram instruction.  
**Action :** Do not use longer chromatogram names than 20 characters.
- 18. Scenario :** Error when running evaluation procedure in the first scouting run. If the evaluation procedure contains an export command then an error may occur after the first run in a scouting sequence.  
**Action :** Run the evaluation procedure from the procedure editor instead.
- 19. Scenario :** Decimals are missing on the x- and y-axis in graphs.  
**Action :** No action is needed. The problem is a display problem only. The graphs and the axis are correct in other respects.
- 20. Scenario :** Error in Method wizard during Instant run after changing the components of a connected system.  
**Action :** A disconnect followed by a connect resolves the problem. Note if the system is in Demo mode then it is necessary to create a method. Instant run will not work in Demo mode in the scenario described.
- 21. Scenario :** The result file may be missing after a long (e.g. a 24-hour) manual run.  
**Action :** It is recommended to run a method instead in these cases.
- 22. Scenario :** Run errors that occur when no UNICORN application gui is open are not shown and are not possible to clear.  
**Action :** Clear the error by restarting the CU and the PC. Note: in some systems the CU is integrated in the PC. The error can then be found in the system audit trail in the UNICORN Manager application.
- 23. Scenario :** The error "Sorting buffer too small. Flushing buffer" is displayed in the system control. Sometimes the error is preceded by a "freezing" of run data i.e. no run data gets updated for some time (seconds or minutes). This may indicate that an event has been lost which could affect the result file.  
**Action :** Update the strategy.
- 24. Scenario :** There may be problems, like missing data in the result or a computer restart, when running method queues with long periods of waiting (over 6 hours) between method endings and the start of the next method.  
**Action :** Avoid long idle periods within method queues.

## System Control Xpress

- 1. Scenario :** When pausing all ÄKTAxpress systems that are running manual runs, the Continue all and End all buttons are inactive.  
**Action :** Continue or End every system separately.
- 2. Scenario :** Wrong watch instruction is displayed as the active watch in the watch window. If two watch instructions on the same signal are called at the same breakpoint then the first one in the run log will become the active one, but in the watch window the last one is displayed as being active.  
**Action :** Only one watch per signal can be active at any given time. For clarity, avoid simultaneous calls to more than one watch per signal.

## Evaluation

- 1. Scenario :** When new items are added to an existing report, and the 'exit' function is used to close and save the modified report, an error message may appear, stating 'The format could not be saved. The report layout file has been modified by another user. You can save this layout with a new name.'



**Action :** Save the modified report using 'Save as' under the same name as the original report.

2. **Scenario :** In rare occasions, the Result file opened in the Evaluation window is indicated as filename.rez in the title bar.

**Action :** No action required, the Result file will be treated as usual.

3. **Scenario :** Depending on the length of the Result files' names, the amount of Result files selected and the computer's capacity, selecting a large amount of Results when browsing for Result files in the 'Open Curves to Compare'-dialog window will cause an application error.

**Action :** First open a smaller amount of curves to compare, and then repeat this command until all curves required are displayed

4. **Scenario :** The Zero baseline in the Edit Peak Table is not depicted as a straight line.

5. **Scenario :** Neither the X-axis, nor the Y-axes will be updated when zooming in on the curve in the Evaluation Multifile Peak Compare wizard on the Peak Selection page.

6. **Scenario :** The window value for the 'Reference peak for relative retention' in the Identification Settings dialogue, which is reached from the Define Components dialog when creating or editing a Quantification Table in the Analysis Module, is not used when a check is made for overlapping retention windows when the Define Components dialog is closed. This can result in an error message. The actual quantification however is performed with the correct values.

**Action :** Temporarily switch to Absolute retention in the Identification Settings dialog and edit the retention window for the reference peak in the Define Components dialog to a value that does not overlap with the retention windows for the other components. Then change back to Relative Retention in the Identification Settings dialog and set the window for the reference peak.

7. **Scenario :** When a Pool Table resultfile is saved, the source curves, baseline and fraction curves will not be shown in the Pool Table when opening the main result. This will have as consequence that the values in the Pool Table will not be updated when changing the Extinction Coefficient or Target concentration.

**Action :** To avoid this, open the chromatograms of the resultfile separately alternatively remove the Pool Table and perform a new pooling.

8. **Scenario :** When a file is opened by double-clicking on its name in the Recent Runs-tab, and consequently saved, this file will not disappear

from the Recent Runs-tab, even when the 'Remove files when saved' Preference is selected.

**Action :** Use the 'Remove' button to delete the file from the list, alternatively use the 'Remove All'-function to completely empty the Recent Run-tab if required.

9. **Scenario :** When no printer is installed, the Evaluation module will stop responding when a Preview is requested in the Print Chromatograms window.

**Action :** Install a printer.

10. **Scenario :** Pooling from a Simulated peak fractionation curve followed by deletion of a Pool will not cause the pooled fractions-marks to disappear.

**Action :** This does not affect the pooling, the pool marking will be removed and the Pool Table will be updated.

11. **Scenario :** On the Peak Selection page in the Multifile Peak Compare Wizard, the peak selection is removed if Set peak name command is used while the corresponding checkbox is not activated.

**Action :** Check any of the checkboxes before using the Set peak name command.

12. **Scenario :** If a result file in the Recent Runs tab is marked, double-clicking on the '+'-sign in front of any other file will result in the opening of the marked file.

**Action :** Mark the file that you want to open, alternatively use single-click on the '+'-sign to view the files underneath.

13. **Scenario :** The units for Vol. and Target vol. are missing in the ÄKTexpress Pool Table.

**Action :** The unit for Vol. and Target vol. is ml.

14. **Scenario :** When several chromatograms have been imported into a single window the order in which they appear on a print-out may not be as required, e.g. a comparison of several different runs at different pH may not be displayed in a consecutive numerical order of pH values.

**Action :** Use the Report Generator to place the chromatograms in the desired positions.

15. **Scenario :** If one or several chromatograms, but not all, are selected for a standard report layout, the number of actually printed pages may exceed what was selected as the desired number of pages.

**Action :** Select Active Chromatogram, All Chromatograms, or select all chromatograms individually, alternatively Select a Custom report format.

**16. Scenario :** The bases Y, Z and Q are reported incorrectly in the synthesis data of the OligoPilot and OligoProcess result files. This concerns both DNA and RNA and both thiolated and oxidated bases. The bases are reported as follows: Y is reported as Q; Z is reported as Y; Q is reported as Z

**17. Scenario :** When opening a curve to compare into an empty chromatogram the application shows two curves with the same name.

**Action :** Assure that you have at least two shiftable curves for each unit among the selected curves. Use File->Open->Curves to open a single curve.

**18. Scenario :** If You run a method that has two Evaluate instructions on the same time/volume then curves may disappear from the result. Also curve names can be wrong (curves in chromatogram "15" can be named "result:14\_UV" instead of "result:15\_UV".

**Action :** Avoid to use two evaluate instructions on the same time/volume.

## 2.2.

## Controller Units

### CU-950/960

**1. Scenario :** CU indicates memory card full in CU even if not full. When the Compact Flash memory on a CU-950/960 has once been full, the CU will indicate that the memory card is full when a lost communication with the CU is reestablished, even if the memory card is not full.

**Action :** Shut down the CU-950/960 by unplugging the power cable and then start it again

### CU-950

**1. Scenario :** Negative values are rounded incorrectly in alarm blocks when they are sent for display from the CU-950 to UNICORN.

**Action :** No action is needed. The alarm is triggered correctly. It is a display problem.

**2. Scenario :** In rare cases the message "An old storing index has been detected." is displayed when running a method. The message indicates that the order between two data packages from the CU is ambiguous. This may result in e.g. two log entries being swapped or two data values in a curve being swapped. The impact on the result is minimal.

**Action :** No action is needed.

**3. Scenario :** When the CU-950 Data Recovery Settings is set to OFF for CU-950 Advanced, or CU-950 USB is used and the Control Unit loses power due to a powerfailure, this powerfailure will not be indicated in the logbook. It will however be indicated that data could not be collected from the control unit.

**4. Scenario :** If data is stored locally on a nearly full or very fragmented harddisk, the CU-950 controller unit may in rare cases loose and regain contact with the computer when saving backup files or Result files.

**Action :** Either remove obsolete files from the harddisk, alternatively defragment the harddisk.

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