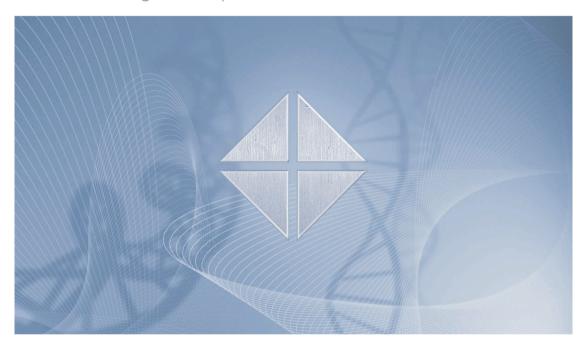
# UNICORN 5.10 vs 5.01

Software Change Description





#### Introduction

This document describes the implemented changes and improvements in UNICORN $^{TM}$  5.10 compared to version 5.01.

#### Installation options

- The UNICORN installation CD now also includes the installation option for the ÄKTAcrossflow™ Evaluation for Cross Flow Filtration module, which is used in combination with the UNICORN installation för general ÄKTA™ instruments.
- A new controller units, CU-960 has been added to the System Setup installation
  options.

#### Controller unit features

- The CU-960 is introduced. This controller unit is equipped with an additional Profibus interface. The Profibus is a standardized fieldbus interface which is optimized for efficient process applications.
- The system will be set to pause if an error occurs when the communication between the CU-950 or CU-960 controller unit and the computer is down. This requires that the controller unit is operated in the Advanced mode and that a Compact Flash memory card is installed.

# Improved support for IQ and OQ

 New evaluation procedure instructions have been implemented for ÄKTAcrossflow installation tests:

Curve amplitude can be verified within a defined interval

Curve amplitude can be matched to a specified value within a defined interval

Logbook text content can be verified within a defined interval

System name, date and other information can automatically be added to the test report

• More information in the Maintenance Manager:

New instruments are displayed

- Pump 982, pump 984, MVL 900
- UVis 920, ALP 900, PHC 902, VAP 900
- PSC 900
- A-905

Instruments connected through the Profibus are displayed.

# ÄKTAcrossflow improvements

- The default base for ÄKTAcrossflow evaluations is set to time.
- Column volume (CV) may no longer be selected as base for cross flow filtration methods.
- Only the curves that are of interest for cross flow filtration evaluations will be displayed as default in the Evaluation module.

### Distribution of strategies and system manuals

- All strategies and system manuals will now be distributed on separate CDs and will not be included on the UNICORN installation CD. This will simplify independent release of updates either to the UNICORN software or to individual strategies. Release dates for strategies for different system will not have to be synchronized in the future.
- Some strategies will be available for download via the Internet.
- New strategy CDs will include

ÄKTAxpress™

ÄKTAxpress MAb

ÄKTAbasic™, ÄKTAFPLC™, ÄKTApurifier™, ÄKTAexplorer™

ÄKTAcrossflow

ÄKTApilot™

## Corrections and improvements

The following minor corrections and improvments have been implemented in UNICORN 5.10:

- Column lists are now saved locally and checked against a master column list on the server. This will eliminate problems with empty or incomplete lists.
- Lock file errors, which were known to cause problems opening results, have been corrected.
- An audit trail version check prevents compatibility issues between old audit trails that were created in earlier versions of UNICORN.
- In the previous release the ÄKTAcrossflow Evaluation Wizard menu alternative would disappear from the menu when an evaluation file was closed. This error is now corrected.
- The number of characters that can be used in text strings for Scouting method variables is now determined by the strategy that is used.
- The File list has been updated to include more file tupes. This will improve IO and OO.
- All OPC servers are registered automatically during the installation of UNICORN to avoid problems with unrecognized OPC servers.
- Errors that occured during the uninstallation of OPC have been corrected.

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GE Healthcare Amersham Biosciences AB Björkgatan 30, 751 84 Uppsala, Sweden

GE Healthcare Amersham Biosciences Europe GmbH Munzinger Strasse 9, D-79111 Freiburg, Germany

GE Healthcare Amersham Biosciences UK Ltd Amersham Place, Little Chalfont, Buckinghamshire, HP7 9NA, UK

GE Healthcare Amersham Biosciences Corp 800 Centennial Avenue, P.O. Box 1327, Piscataway, NJ 08855-1327, USA

GE Healthcare Amersham Biosciences KK Sanken Bldg. 3-25-1, Hyakunincho, Shinjuku-ku, Tokyo 169-0073, Japan

Asia Pacific Tel: +852 2811 8693 Fax: +852 2811 5251 \* Australasia Tel: +61 2 9899 0999 Fax: +61 2 9899 7511 \* Austria Tel: 01/57606-1619 Fax: 01/57606-1627 \* Belgium Tel: 0800 73 888 Fax: 03 272 1637 \* Conada Tel: 800 463 5800 Fax: 800 567 1008 \* Central, East, & South East Europe Tel: +43 1 982 3826 Fax: +43 1 982 3826 Fax: +33 1 985 8327 \* Demmark Tel: 45 16 2404 Fax: 45 16 2424 \* Finland & Baltics Tel: +358-(0)9-512 39 40 Fax: +358 (0)9 512 39 439 \* France Tel: 01 69 35 67 00 Fax: 01 69 41 96 77 \* Germany Hel: 0761/4903-490 Fax: 0761/4903-405 \* Italy Tel: 02 27322 1 Fax: 02 27322 17 5 av 20 27302 212 \* Japan Tel: +351 3331 9376 \* Latin America Tel: +55 11 3933 7300 Fax: +55 11 3933 7300 Fax:

