



**RIGGTEK**  
Dissolution Test Systems



# DissoPrep

Dissolution Media Preparation and Delivery Station



**DPX - BI**

## „DissoPrep“ - your Dissolution Media Preparation and Delivery Station:

Now with the advanced „Browser Interface“ for network connectivity and compliant administration.

# DissoPrep – Browser-Interface

integrate your DissoPrep in your IT-Infrastructure



## *DissoPrep – Browser-Interface DPX - BI*



# DissoPrep – Browser-Interface

integrate your DissoPrep in your IT-infrastructure



- Connect your DissoPrep via LAN to your local PC or to your company network
- and administrate your DissoPrep easily via your (Internet-)Browser without any further software-installation!



# DissoPrep – Browser-Interface

integrate your DissoPrep in your IT-infrastructure



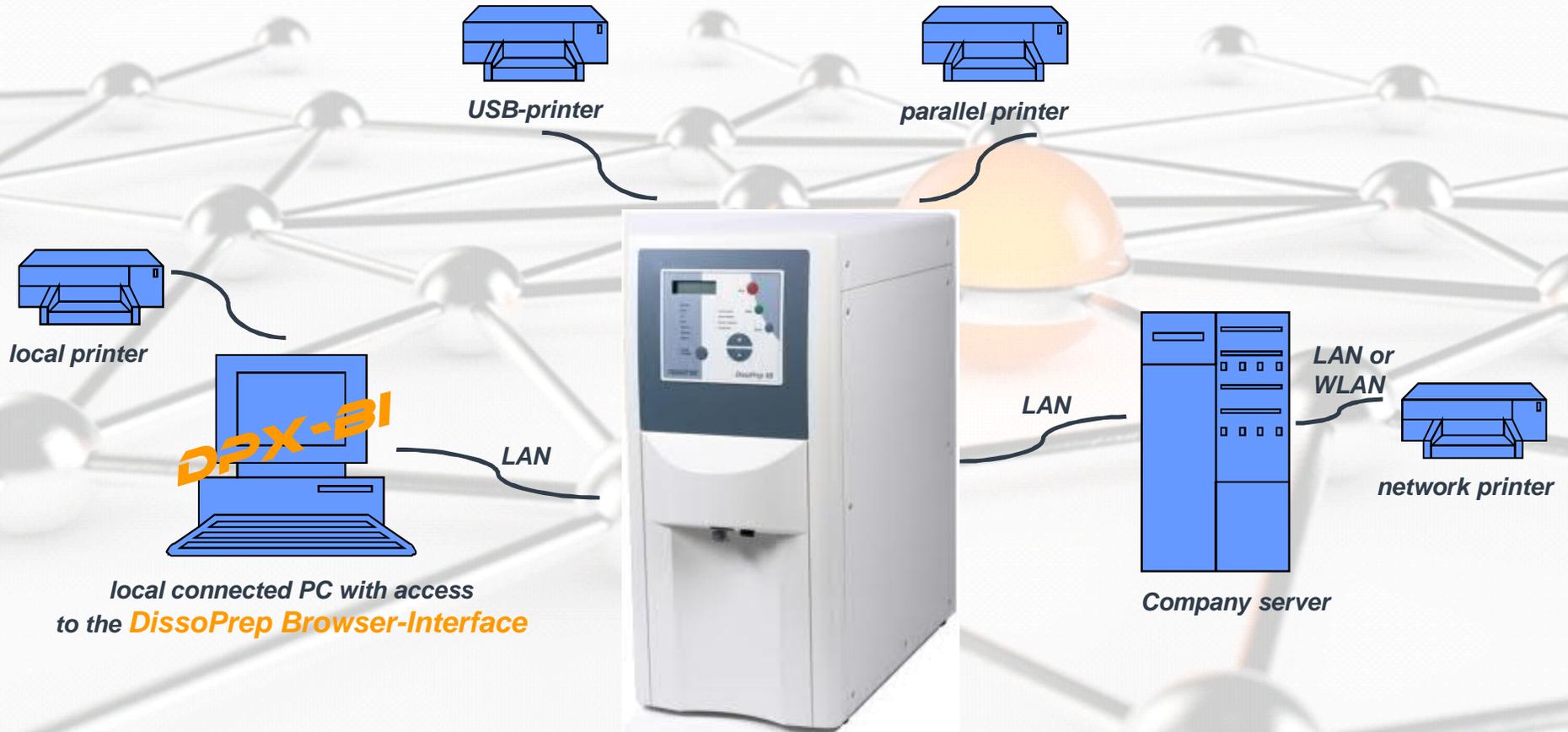
Administrare via the Browser-Interface:

- methods
- reports
- users



# DissoPrep – Browser-Interface

integrate your DissoPrep in your IT-infrastructure

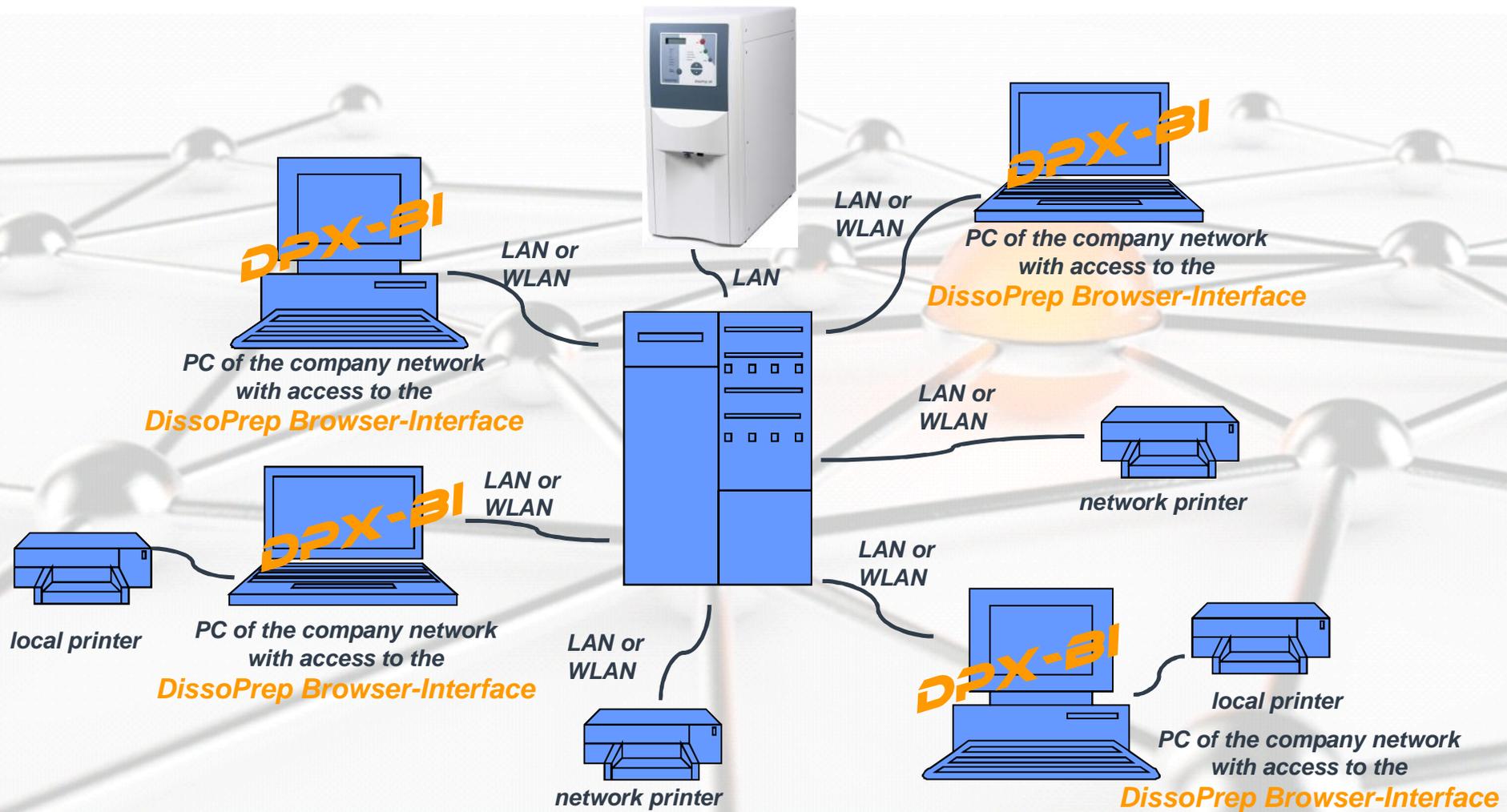


**use of the DissoPrep Browser-Interface**  
**at a local connected PC**

*DPX-BI*

# DissoPrep – Browser-Interface

integrate your DissoPrep in your IT-infrastructure



use of the DissoPrep Browser-Interface <sup>DPX-BI</sup>  
at PC's of the company network

# DissoPrep – Browser-Interface

Data Integrity



The DissoPrep is saving and controlling all data. It is not possible to change any data / test results like test reports, calibration reports, etc.. Printouts of the reports allow the user individual backups of these data. Changes on methods are only possible with user-login (except Method 0).

The Browser-Interface is installed and running on the DissoPrep, so NO more software-installation on any external PC is necessary! That´s why there is NO data exchange of test results between the DissoPrep and the Browser-Interface, so NO second place where the data is saved. The Browser-Interface is NOT controlling the DissoPrep, it is just a Browser / a „window“ to have the possibility to administrate methods, reports, etc.on the DissoPrep itself.

Because of not having any data exchange and only one place of saving the data, all demands on data integrity are fulfilled without a software-validation!

# DissoPrep – Browser-Interface

Login



The screenshot shows a web browser window with the following elements:

- Browser tabs: "RIGGTEK GmbH, Pharmaceuti..." and "DissoPrep Browser Interface".
- Address bar: "192.168.253.230/login".
- Search bar: "Suchen".
- Navigation bar: "RIGGTEK Dissolution Test Systems" on the left and "DissoPrep Browser Interface (S/N41010457)" on the right.
- Menu: "Home" and "Login" buttons.
- Form fields: "Username:" and "Password:" labels with corresponding input boxes.
- Submit button: "Login".

If the DissoPrep is connected to your local PC or your company network, you only have to type in the IP-address of your DissoPrep in your (Internet)-Browser to reach the Login-Screen – as shown above.

# DissoPrep – Browser-Interface

## Navigation Bar and Home / Method List



DissoPrep Browser Interface (S/N41010457)

Home Methods Reports Calibrations Performance Usermanager Rolemanager Setup Logout

Navigation Bar

User "riggtek" logged in locally succesfull!

Show 10 entries

Search:

#	Method	Status	Parameter	Version	Actions
0	Method 0	Reviewed	Vessels: 6, Volume: 900, Additive: 0.0, Temperature: 37.0, Degassing: 120	12	<a href="#">Print</a> <a href="#">Edit</a> <a href="#">Sign</a>
2	Method 2	Unsigned	Vessels: 7, Volume: 1000, Additive: 0.0, Temperature: 38.0, Degassing: 120	1	<a href="#">Print</a> <a href="#">Edit</a> <a href="#">Sign</a>
3	Method 3	Reviewed	Vessels: 6, Volume: 999, Additive: 101.9, Temperature: 38.0, Degassing: 100	2	<a href="#">Print</a> <a href="#">Edit</a> <a href="#">Sign</a>
4	Method 4	Unsigned	Vessels: 8, Volume: 899, Additive: 91.7, Temperature: 38.0, Degassing: 120	1	<a href="#">Print</a> <a href="#">Edit</a> <a href="#">Sign</a>
5	Method 5	Unsigned	Vessels: 7, Volume: 900, Additive: 0.0, Temperature: 38.0, Degassing: 120	1	<a href="#">Print</a> <a href="#">Edit</a> <a href="#">Sign</a>
6	Method 6	Unsigned	Vessels: 6, Volume: 900, Additive: 0.0, Temperature: 38.0, Degassing: 120	1	<a href="#">Print</a> <a href="#">Edit</a> <a href="#">Sign</a>
7	Method 7	Unsigned	Vessels: 8, Volume: 500, Additive: 0.0, Temperature: 38.0, Degassing: 120	1	<a href="#">Print</a> <a href="#">Edit</a> <a href="#">Sign</a>
8	Method 8	Unsigned	Vessels: 7, Volume: 500, Additive: 0.0, Temperature: 38.0, Degassing: 120	1	<a href="#">Print</a> <a href="#">Edit</a> <a href="#">Sign</a>
9	Method 9	Unsigned	Vessels: 6, Volume: 500, Additive: 0.0, Temperature: 38.0, Degassing: 120	1	<a href="#">Print</a> <a href="#">Edit</a> <a href="#">Sign</a>
10	Method 10	Unsigned	Vessels: 1, Volume: 3000, Additive: 0.0, Temperature: 37.0, Degassing: 60	1	<a href="#">Print</a> <a href="#">Edit</a> <a href="#">Sign</a>

Action Buttons of a method

Showing 1 to 10 of 51 entries

Previous 1 2 3 4 5 6 Next

After the successful login, you will reach the Home-Screen, which is the Method List.

The Navigation Bar will always be shown at the top of the screen.

Searching, sorting and filtering is possible easily.

For printing, editing or signing a method, press the appropriate Action Button of a method.

# DissoPrep – Browser-Interface

editing methods



DissoPrep Browser Interface (S/N41010457)

Home Methods Reports Calibrations Performance Usermanager Rolemanager Setup Logout

Edit Method: **Method 2**

Description:	<input type="text" value="Method 2"/>
Vessels:	<input type="text" value="7"/>
Volume:	<input type="text" value="900"/> g per Vessel
Additive:	<input type="text" value="0"/> g per Vessel (1:3-1:100)
Temperature:	<input type="text" value="38.0"/> °C
Additional Degassing Time:	<input type="text" value="120"/> seconds (0-600)

After selecting a method, all shown parameters can be changed.

Interdependent parameters as Number of vessels and Volume per vessel will be adapted automatically to possible values if applicable.

Press the „Save-Button“ for saving the changes.

# DissoPrep – Browser-Interface

viewing, printing and saving of reports



DissoPrep Browser Interface (S/N41010457)

Home Methods Reports Calibrations Performance Usermanager Rolemanager Setup Logout

Show 10 entries

Search:

#	Status	Report	Parameter	Date	Actions
1	Approved	MEDIA DISPENSE REPORT	Method: 0	2016-05-19 08:01:27	<a href="#">Print</a> <a href="#">Sig</a>
2	Reviewed	MEDIA DISPENSE REPORT	Method: 0	2016-07-15 11:39:25	<a href="#">Print</a> <a href="#">Sig</a>
3	Unsigned	MEDIA DISPENSE REPORT	Method: 0	2016-07-15 12:11:36	<a href="#">Print</a> <a href="#">Sig</a>
4	Unsigned	MEDIA DISPENSE REPORT	Method: 0	2016-07-20 14:28:16	<a href="#">Print</a> <a href="#">Sig</a>
5	Unsigned	MEDIA DISPENSE REPORT	Method: 10	2016-07-28 11:53:15	<a href="#">Print</a> <a href="#">Sig</a>
6	Unsigned	MEDIA DISPENSE REPORT	Method: 9	2016-09-05 09:40:21	<a href="#">Print</a> <a href="#">Sig</a>
7	Unsigned	MEDIA DISPENSE REPORT	Method: 0	2016-09-19 12:37:45	<a href="#">Print</a> <a href="#">Sig</a>
8	Unsigned	MEDIA DISPENSE REPORT	Method: 0	2016-09-22 13:10:59	<a href="#">Print</a> <a href="#">Sig</a>
9	Unsigned	MEDIA DISPENSE REPORT	Method: 0	2016-09-23 11:56:35	<a href="#">Print</a> <a href="#">Sig</a>
10	Unsigned	MEDIA DISPENSE REPORT	Method: 0	2016-07-15 13:13:35	<a href="#">Print</a> <a href="#">Sig</a>

Showing 1 to 10 of 91 entries

Previous 1 2 3 4 5 ...

Home Methods Reports Calibrations Performance

Show 10 entries

#	Status	Report
1	Submitted	MANUAL PRESSURE CALIBRATION REPORT
2	Unsigned	MANUAL TEMPERATURE CALIBRATION REPORT
3	Unsigned	MANUAL TEMPERATURE CALIBRATION REPORT
4	Unsigned	MANUAL QUANTITY CALIBRATION REPORT
5	Unsigned	MANUAL QUANTITY CALIBRATION REPORT
10	Unsigned	MANUAL PRESSURE CALIBRATION REPORT
11	Unsigned	MANUAL TEMPERATURE CALIBRATION REPORT
12	Unsigned	MANUAL TEMPERATURE CALIBRATION REPORT
13	Unsigned	MANUAL QUANTITY CALIBRATION REPORT
15	Unsigned	MANUAL QUANTITY CALIBRATION REPORT

Showing 1 to 10 of 19 entries

Show 10 entries

#	Status	Report
6	Reviewed	MANUAL PERFORMANCE TEST REPORT
7	Unsigned	MANUAL PERFORMANCE TEST REPORT
8	Unsigned	MANUAL PERFORMANCE TEST REPORT
9	Submitted	MANUAL PERFORMANCE TEST REPORT
14	Unsigned	MANUAL PERFORMANCE TEST REPORT
21	Unsigned	MANUAL PERFORMANCE TEST REPORT
26	Unsigned	MANUAL PERFORMANCE TEST REPORT

Showing 1 to 7 of 7 entries

The DissoPrep will save the following reports, which can be shown, printed or saved via the Browser-Interface

- Media-Dispense-Reports
- Calibration-Reports
- Performance-Test-Reports

By pressing the „Print-Button“, the appropriate report will be shown as pdf-document, which can be printed or saved. All reports are saved securely at the DissoPrep and can't be deleted or changed in any way.

# DissoPrep – Browser-Interface

## Usermanager



DissoPrep Browser Interface (S/N41010457)

Home Methods Reports Calibrations Performance **Usermanager** Rolemanager Setup Logout

Show  entries

Search:

Add User

Username	Realname	Role	Device responsible	Actions
approver	approver	Approver	No	<a href="#">Edit</a> <a href="#">Delete</a>
developer0	developer	Developer	Yes	<a href="#">Edit</a> <a href="#">Delete</a>
manager	manager	Manager	No	<a href="#">Edit</a> <a href="#">Delete</a>
reviewer	reviewer	Reviewer	No	<a href="#">Edit</a> <a href="#">Delete</a>
reviewer0	reviewer0	Reviewer	No	<a href="#">Edit</a> <a href="#">Delete</a>
riggtek	Riggtek GmbH	Admin	No	<a href="#">Edit</a>
usertest1	user1	User	No	<a href="#">Edit</a> <a href="#">Delete</a>

Showing 1 to 7 of 7 entries

Previous  Next

The „Usermanager“ allows to add, delete and edit users. It is possible to edit the

- Realname
- Role – user roles are possible to define individually (see „Rolemanager“)
- Responsibility for the device
- to confirm or change the password

Username: manager  
Realname:   
Role:   
Responsible for the device:  No  Yes  
Password:  Min. length 6 characters  
Confirm password:  Min. length 6 characters

# DissoPrep – Browser-Interface

## Rolemanager



### Role: Manager

<input checked="" type="checkbox"/> Edit Method	<input checked="" type="checkbox"/> Delete Method
<input checked="" type="checkbox"/> Add Method	<input checked="" type="checkbox"/> View Users
<input checked="" type="checkbox"/> Edit User	<input checked="" type="checkbox"/> Delete User
<input checked="" type="checkbox"/> Add User	<input checked="" type="checkbox"/> View Roles
<input checked="" type="checkbox"/> Edit Role	<input checked="" type="checkbox"/> Delete Role
<input checked="" type="checkbox"/> Add Role	<input checked="" type="checkbox"/> View Setup
<input checked="" type="checkbox"/> Update Setup	<input type="checkbox"/> Submit Report
<input type="checkbox"/> Review Report	<input type="checkbox"/> Approve Report
<input checked="" type="checkbox"/> Unsign Report	<input type="checkbox"/> Submit And Review Report
<input type="checkbox"/> Review And Approve Report	<input type="checkbox"/> Approve And Unsign Report
<input checked="" type="checkbox"/> View Audittrail	<input checked="" type="checkbox"/> Download Audittrail

Update

The „Rolemanager“ allows to set the permissions of the created roles individually according the user´s organization.

# DissoPrep – Browser-Interface

## Audit-Trail



DissoPrep Browser Interface (S/N41010457)

Home Methods Reports Calibrations Performance Usermanager Rolemanager Audittrail Tini Setup Logout

```
2018-09-04 10:03:54 RC1.05: User root logged in!  
2018-09-04 10:03:37 RC1.05: User riggtek logged in!  
2018-09-04 09:55:20 RC1.05: User manager logged in!  
2018-09-04 09:53:02 RC1.05: User root logged in!  
2018-09-03 17:39:17 RC1.05: User root logged in!  
2018-09-03 17:23:23 RC1.05: User riggtek logged in!  
2018-09-03 17:21:33 RC1.05: User manager logged in!  
2018-09-03 16:27:29 RC1.05: User riggtek logged in!  
2018-09-03 16:25:47 RC1.05: User root logged in!  
2018-09-03 16:18:48 RC1.05: User root logged in!  
2018-08-24 10:30:03 RC1.05: User root reviewed report 2.  
2018-08-24 10:25:50 RC1.05: User root updated Method :  
Vessel, Vol, Add, Temp, Degass, Description  
Old: 6, 900, 0.0, 37.0, 120, Method 0  
New: 6, 900, 0.0, 37.0, 120, Method 0  
2018-08-24 10:23:42 RC1.05: User root updated Method :
```

Download

The Audittrail documents

- the usage
- the changes of methods
- error-messages.

It is possible to download the Audit-Trail. The Audit-Trail can be seen and / or downloaded only if it is enabled in the Rolemanager for the appropriate user.

# DissoPrep – Browser-Interface

## Setup



Instrument ID:	<input type="text"/>
Remaining Filter Capacity:	<input type="text" value="4322"/>
Nominal Filter Capacity:	<input type="text" value="5000"/>
Port Temp/Press:	<input type="text" value="Com2"/>
Port Balance:	<input type="text" value="Com2"/>
Voltage:	<input type="text" value="100"/>
Max Vacuum:	<input type="text" value="90"/>
Method Using Level:	<input type="text" value="Unsigned"/>

Update

The „Setup“ is for general settings like date and time, network or printer configuration. Additionally you can make Backups of the whole database. Only entitled users are allowed to see and / or edit the Setup.

# DissoPrep – Browser-Interface

Electronic Signature



Sign the Protocol

Please insert a comment:

History:

- Submitted at: 22.08.2018 10:55:18 by usertest1 - Comment: example comment user.
- Reviewed at: 23.08.2018 12:38:16 by reviewer - Comment: example comment reviewer.
- Unsigned at: 23.08.2018 12:44:26 by approver - Comment: example comment approver.
- Submitted at: 23.08.2018 16:31:05 by usertest1 - Comment: example comment user submit 2nd time.
- Reviewed at: 23.08.2018 16:37:06 by reviewer - Comment: example comment review 2nd time.
- Approved at: 23.08.2018 16:44:17 by approver - Comment: example comment approve.

Submit Review Approve UnSign

nea MEDIA DISPENSE REPORT Method: U 2016-07-15 12:11:36 Sign

It is possible to sign electronically Reports and Methods by pressing the button „Sign“ at the individual method or report. According the Rolemanager and the individual rights it is possible to use the steps „Submit“, „Review“, „Approve“ and „UnSign“.

The actual status of the approval can be seen in the method- and report-table or when pressing the button „Sign“ at the individual method or report, the approval history will be shown as above.

Additional the last 4 steps of the approval will be printed on the report (see following page „Reports“).

According the settings, the user can determine which status is necessary to use a method.

# DissoPrep – Browser-Interface

## Reports



### MEDIA DISPENSE REPORT

No: 1

DissoPrep X8 RIGGTEK GmbH Germany

Serial Number : R41020520

Firmware Version: 8.08

#### General Data:

Nominal filter capacity [l]: 5000

Remaining filter capacity [l]: 4948

Volume throughput up to now : 52

Method: 0

1000, 10.0, 6, 37.0

Method 0

#### Result of the dosages [g]:

	MEDIUM	ADDTV	RATIO	DEV%
Fill Nominal:	6000	60.0	0.010	
Fill Actual:	6538	65.4	0.010	+0.0

	MEDIUM	DEV%	ADDTV	DEV%
Vessel No. 6:	1000	-0.0	10.0	+0.0
Vessel No. 5:	1001	+0.1	10.0	+0.0
Vessel No. 4:	1000	+0.0	10.0	+0.0
Vessel No. 3:	1000	+0.0	10.0	+0.0
Vessel No. 2:	1000	+0.0	10.0	+0.0
Vessel No. 1:	1000	+0.0	10.0	+0.0

#### Result (average):

1000 0.0

Max.deviation: 1

Std.deviation: 0.3

Temperature (average): 34.1 C

MAX.VACUUM at 89 mbar abs. pressure  
Overall DEGASSING TIME (mm:ss): 10:30  
"ERROR STIRRER" occurred.

Date, Time: 19.05.2016, 08:01

Name:

.....

Signature:

.....

Dates/Times no verified specifications

Printed at: 2018.8.23 16:32:16 by approver  
Reviewed at: 2018.8.23 12:38:16 by reviewer  
Unsigned at: 2018.8.23 12:44:26 by approver  
Submitted at: 2018.8.23 16:31:05 by usertest1

The reports (Media Dispense, Calibration and Performance Reports) are stored at the DissoPrep and can be seen and stored as pdf-files any time.

The date of printing is reported as well as the user who generated the report.

Additional the last four actions of the electronic signature release are printed on the report.

## „DissoPrep“ - your Dissolution Media Preparation and Delivery Station:

Now with the advanced „Browser Interface“ for network connectivity and compliant administration.

- easy
  - standard equipment
  - without software-installation
- DissoPrep – Browser-Interface  
DPX - BI*
- fast
  - without software-validation





## Sie wünschen mehr Informationen?

- Besuchen Sie unsere Internetseite [www.riggtek.de](http://www.riggtek.de) oder
- Rufen Sie uns an unter *Tel.: +49 89 2302469 -0* oder
- Schreiben Sie uns an [vertrieb@riggtek.de](mailto:vertrieb@riggtek.de)

Sie erhalten gerne völlig unverbindlich mehr Informationen!

*Wir sind für Sie da!*  
Ihr RIGGTEK-Team

