

Kjeldahl Tablets





Benefits of the KjelSampler

- Sample transfer via steam: no mechanical transportation of sample tubes
- Distillation takes place in one distillation tube, which remains permanently installed: no risk of leakages
- Sample tubes do not come in touch with sodium hydroxide: extended lifetime!
- Steam is used to transfer the sample. During distillation the steam is led through the sample tube, the hoses and the transfer unit: samples tubes are nearly clean after the distillation ("dish washer")
- Racks are compatible: no need to touch the sample tubes, no risk to mix up samples
- Single sample measurement is possible at any time, no changes in the hardware, no changes in software settings necessary: highest flexibility



KjelMaster K-375

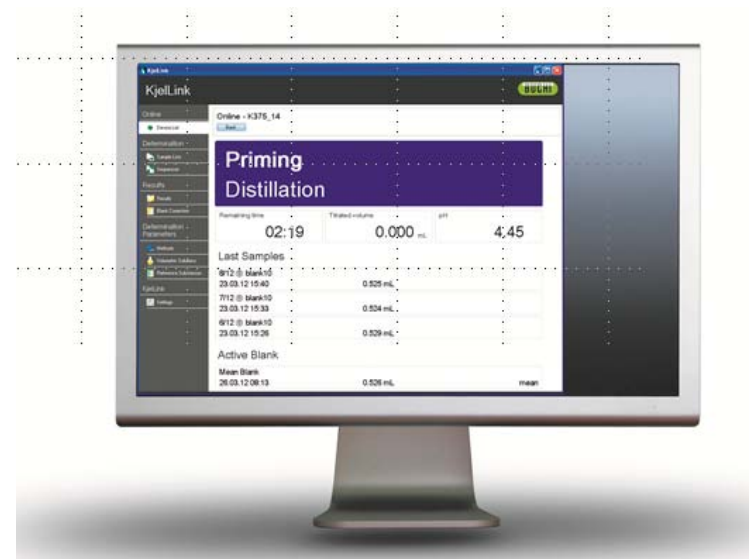
KjelSampler K-376 und K-377



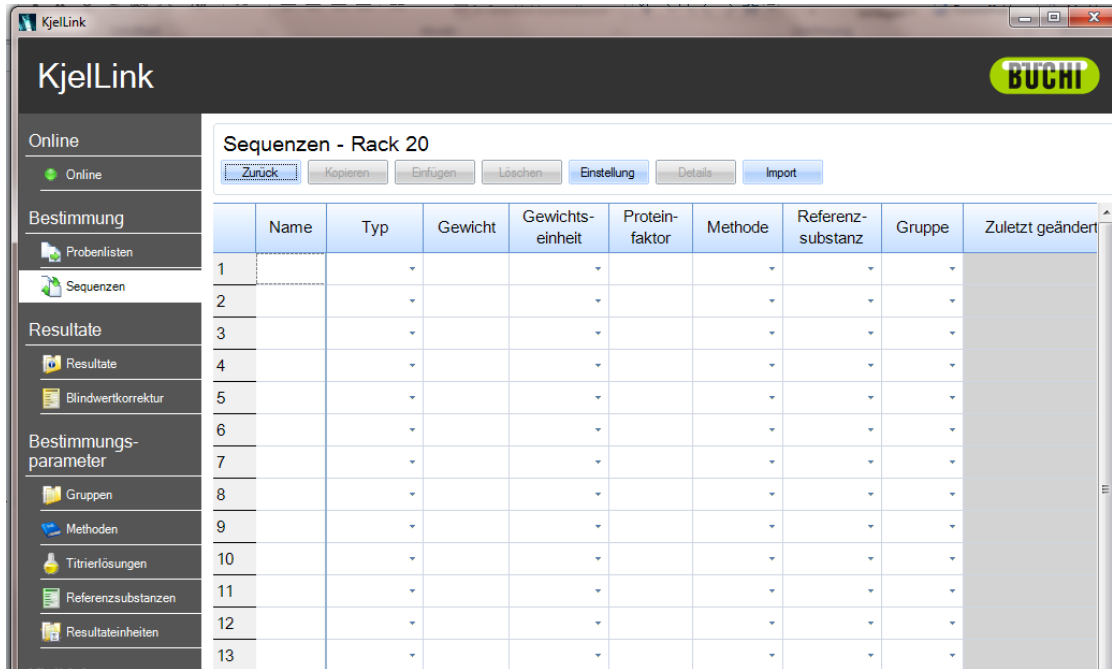


Advanced data management Kjellink Software

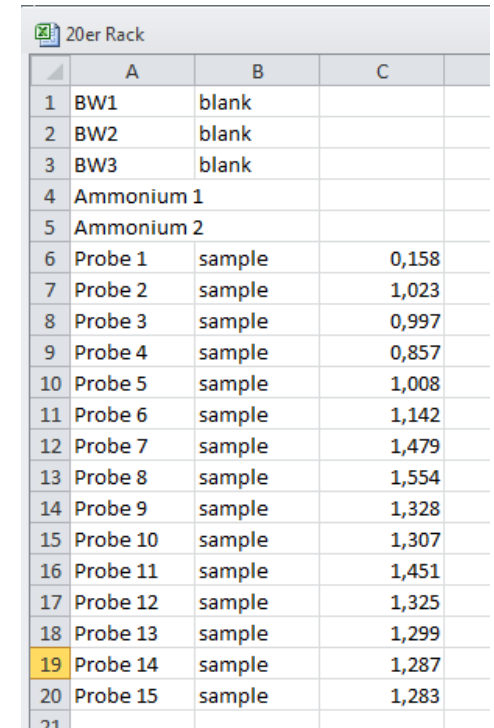
- Actual operational status continu on PC
- Input data samples and methods
- Recalculation of results
- Import sample data out of LIMS , via USB stick
- Export results to LIMS, to USB stick
- Statistical evaluations in function of time (meanvalues and deviations)
- Automatical back up



Input Sample Data



The screenshot shows the Kjellink software interface. The main window is titled 'Sequenzen - Rack 20'. It features a sidebar on the left with navigation options like 'Online', 'Bestimmung', 'Resultate', and 'Bestimmungsparameter'. The main area contains a table with the following columns: Name, Typ, Gewicht, Gewichtseinheit, Proteinfaktor, Methode, Referenzsubstanz, Gruppe, and Zuletzt geändert. The table is currently empty, with rows numbered 1 through 13.



The screenshot shows an Excel spreadsheet titled '20er Rack'. It has columns A, B, and C. The data is as follows:

	A	B	C
1	BW1	blank	
2	BW2	blank	
3	BW3	blank	
4	Ammonium 1		
5	Ammonium 2		
6	Probe 1	sample	0,158
7	Probe 2	sample	1,023
8	Probe 3	sample	0,997
9	Probe 4	sample	0,857
10	Probe 5	sample	1,008
11	Probe 6	sample	1,142
12	Probe 7	sample	1,479
13	Probe 8	sample	1,554
14	Probe 9	sample	1,328
15	Probe 10	sample	1,307
16	Probe 11	sample	1,451
17	Probe 12	sample	1,325
18	Probe 13	sample	1,299
19	Probe 14	sample	1,287
20	Probe 15	sample	1,283
21			

Different input possibilities

- Manually in Kjellink (PC)
- Manually in KjellMaster unit
- Per copy-paste from Excel to Kjellink
- Barcodeleser, Waage, aus LIMS in Kjellink
- Barcodeleser , Waage direct in Kjellmaster



Support : Application Database on www.buchi.com

Applications



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Download Kjeldahl Applications

Take advantage of the application database!

The Büchi Kjeldahl application database lists more than 100 Kjeldahl and Non-Kjeldahl applications using dedicated Büchi equipment. The abstract of the latest applications can be downloaded directly. Comprehensive documentation is available free of charge after signing in. Just refer to the corresponding application order code in the left column of the following overview:

[Kjeldahl applications database](#)

Set Kjeldahl Application Notes Last update: 08.03.2013

BUCHI Order Code	Segment	Field	Sample	Analyte	Method		Reference
					Processing	Analysis	
C01	Cosmetics	Hair	Hair dye	Ammonia	Distillation	Titration	Application available on request
C02	Cosmetics	Hair	Hair dye	Ammonia	Distillation	Back titration	Application available on request
C03	Cosmetics	Cremes	Lotion / face cream / repair ointment	Nitrogen / Urea	Kjeldahl	Kjeldahl	044/2010
C04	Cosmetics	Cremes	Creme / ointment	Nitrogen / Urea	Kjeldahl (micro)	Kjeldahl	073/2011
E01	Environment	Sewage	Water / waste water	Ammonia	Distillation (Kjeldahl)	Distillation (Kjeldahl)	Application available on request
E02	Environment	Sewage	Water / waste water	Nitrogen	TKN	TKN	Application available on request
E03	Environment	Sewage	Water / waste water	Nitrogen	TKN	TKN	Application available on request
E04	Environment	Sewage	Water / waste water	Nitrogen	TKN	TKN	Application available on request
E05	Environment	Sewage	Water / waste water	Nitrogen	TKN	TKN	040/2010
E06	Environment	Sewage	Water / waste water	Nitrogen	TKN	TKN	049/2010

Application available on request
Application available on request
040/2010
049/2010
Application available on request

Mini Kjeldahl Guide



The Kjeldahl Process
From sample preparation to result calculation

Available for free!



Solutions for N and Protein determination

Whatever you need: Kjeldahl , Dumas or NIR





SERVICE & SUPPORT -PARTNERSHIP

Technical support

- installation and instruction (certificate)
- application support : AN , Best@Buchi, apps

On - site repair services :

dedicated specialised Belgian service engineer

Maintenance contract

- modular arrangements (basic or alliance)
- prioritised assistance

Offering spare parts for self service

IQ OQ PQ Documentation and implementation

2 years warranty registration





Reach Out To New Kjeldahl Horizons



Quality in your hands