

# LabTidy software

## The web-based sample management system

Department of structure analysis also provides high throughput crystallographic services for universities, research institutes and companies. As a part of this service, we have been developing a scalable online system LabTidy for sample management, which is nowadays a core program for an efficient organization of research in crystallographic laboratories of the department.

### User Friendly environment

LabTidy is an intuitive, easy to use menu-driven system. Frequent operations are optimized for fast and effective work.

### The Real Life based development

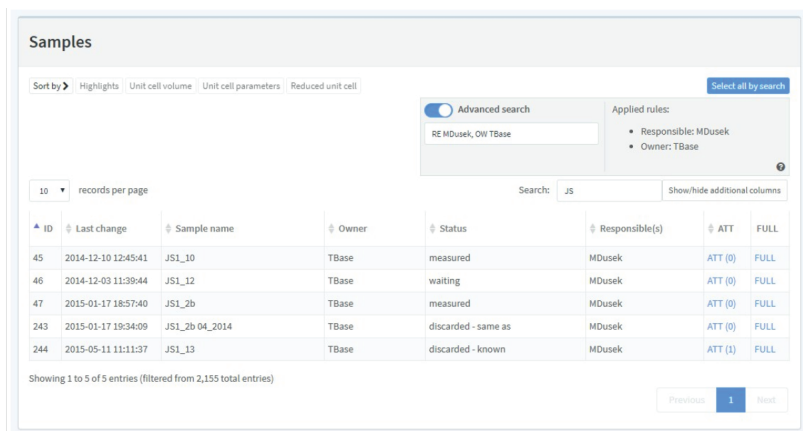
LabTidy has been developed based on requirements of a high throughput crystallographic laboratory

### Continuous support with tailor-made changes

LabTidy developers offer quick continuous support and configuration of the system based on user requirements.

### System independent, fast and secure

LabTidy works with all usual web browsers, has been optimized for weak servers, and its performance allows thousands samples and hundreds of users. The internet connection is secure, with HTTPS certificate and intrusion protection.



The screenshot shows the 'Samples' management interface. At the top, there are navigation tabs: 'Sort by >', 'Highlights', 'Unit cell volume', 'Unit cell parameters', and 'Reduced unit cell'. A search bar contains 'RE MDusek, OW TBase'. Below the search bar, there are 'Advanced search' and 'Applied rules' sections. The 'Applied rules' section lists 'Responsible: MDusek' and 'Owner: TBase'. A search input field contains 'JS'. Below the search bar, there is a table with columns: ID, Last change, Sample name, Owner, Status, Responsible(s), ATT, and FULL. The table contains 5 entries. At the bottom, it says 'Showing 1 to 5 of 5 entries (filtered from 2,155 total entries)'. There are 'Previous', '1', and 'Next' buttons at the bottom right.

ID	Last change	Sample name	Owner	Status	Responsible(s)	ATT	FULL
45	2014-12-10 12:45:41	JS1_10	TBase	measured	MDusek	ATT (0)	FULL
46	2014-12-03 11:39:44	JS1_12	TBase	waiting	MDusek	ATT (0)	FULL
47	2015-01-17 18:57:40	JS1_2b	TBase	measured	MDusek	ATT (0)	FULL
243	2015-01-17 19:34:09	JS1_2b 04_2014	TBase	discarded - same as	MDusek	ATT (0)	FULL
244	2015-05-11 11:11:37	JS1_13	TBase	discarded - known	MDusek	ATT (1)	FULL

An example of Advanced Search: listing of all samples with Responsible MDusek and Owner TBase containing the string "JS" in any of the visible columns of the table.

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Try our demo at [www.demo.labtidy.com](http://www.demo.labtidy.com)

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### System advantages:

- Each sample has its sample page with method-dependent information. The samples can be searched and filtered using a simple or advanced syntax, and sorted by keywords. Each samples has a status showing the stage of its processing.
- User management allows for three levels of users: Admin, Responsible, and sample Owner.
- Communication thread between the experimentalist and the sample owner allows for clarifications, explanations and adding attachments with measurement results.
- Publication thread allows for collaborative editing of manuscripts about one or more samples
- Regular email notification about changes concerning the user's samples
- Reporting tools
- Tracking of any users activity
- Possibility to book facilities

Publication page for "Chiral one-dimensional hydrogen-bonded architectures constructed from single-enantiomer phosphoric triamides" [ID: 49]

Creation date: 2018-03-27 17:08:18    Last change: 2018-05-04 09:29:23    Status: Published    Main editor: Admin

Authors

Username	Role	Note	Options
Responsible2	Sample responsible (1041, 1042)		-
Owner1	Sample owner (1041, 1042)		-

Samples used for this publication

ID	Sample name	Last change	Responsible(s)	Status	Results	Actions
1041	ME-22	2018-03-27 17:08:18	Responsible2	manuscript	2016_ME_22_1.zip	<input type="button" value="View"/>
1042	ME-23	2018-03-27 17:08:41	Responsible2	manuscript	2016_ME_23_1.zip	<input type="button" value="View"/>

### Technical data:

- Scalability
- Automating
- Independence on the operating system
- Online Interface – Access from anywhere in the world via an Internet connection
- Security – HTTPS certificate, intrusion protection
- Browser support (Chrome, Firefox, Safari, IE and EDGE)
- Unpretentious for traffic, it also works well on weaker servers
- Web server requirements: Apache2 + MySQL, PHP >=7.0

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