

CASCADE



Cascade is a web-based tool for managing laboratory tasks and tracking the progression of samples through their complete life cycle, from work request to testing and processing results. The highly configurable system is designed to securely exchange information within an organisation or between third party collaborators.

SEAMLESS REQUEST SAMPLE ANALYSIS

Many organisations have sophisticated electronic ways of recording experiments. However, completion of experiments often requires the submission of samples for testing to other laboratories. Cascade is a configurable module of the Dotmatics Platform that enables test requests and sample tracking, providing a clear view of the workflow, timing, resource allocation and results. Features include:

- Configurable tests to fit your business practices
- Single click submission of tests around one or more samples thus speeding up the request process
- Requestor pane dynamically linked to the Studies Notebook (and other Electronic Laboratory Notebooks)

- Once tests are performed, analysts can automatically upload results to your experiment page on the Studies Notebook avoiding costly mistakes
- Prioritise and annotate task requests
- Streamline communication between teams

Request ID	Compound Code	Status	Value	Experiment ID	Operator	Centre	Project Name	Comments	Request Date	Location	Approved
10	16-1610	Class Response Screen	16-06-2016	Requester	Pharma 2	Instalab	Class Response Screen	ALZHEIMER	14.10.2016(2116)	UK	X
11	16-1672	Class Response Screen	16-06-2016	Requester	K1 channel	Instalab	Class Response Screen	ALZHEIMER	14.10.2016(2116)	UK	X
12	16-1683	Class Response Screen	16-06-2016	Requester	K1 channel	Instalab	Class Response Screen	ALZHEIMER	14.10.2016(2116)	UK	X
13	16-1682	Class Response Screen	16-06-2016	Requester	K1 channel	Instalab	Class Response Screen	ALZHEIMER	14.10.2016(2116)	UK	X
14	16-1681	Class Response Screen	16-06-2016	Requester	K1 channel	Instalab	Class Response Screen	ALZHEIMER	14.10.2016(2116)	UK	X
15	16-1684	Class Response Screen	16-06-2016	Requester	CAMOX	Instalab	Class Response Screen	ALZHEIMER	09.04.09(3216)	UK	X
16	16-1682	Class Response Screen	16-06-2016	Requester	K1 channel	Instalab	Class Response Screen	ALZHEIMER	14.10.2016(2116)	UK	X
17	16-1683	Class Response Screen	16-06-2016	Requester	K1 channel	Instalab	Class Response Screen	ALZHEIMER	14.10.2016(2116)	UK	X
18	16-1703	Class Response Screen	16-06-2016	Requester	K1 channel	Instalab	Class Response Screen	ALZHEIMER	14.10.2016(2116)	UK	X
19	16-1740	Class Response Screen	16-06-2016	Requester	K1 channel	Instalab	Class Response Screen	ALZHEIMER	14.10.2016(2116)	UK	X
20	16-1742	Class Response Screen	16-06-2016	Requester	CAMOX	Instalab	Class Response Screen	ALZHEIMER	09.04.09(3216)	UK	X

Figure 1: View of requested entities and request information

INTEGRATED WITH THE DOTMATICS SUITE

- Cascade is integrated with Dotmatics' Studies Notebook and Browser
- From Browser you can query databases for samples and create work requests directly
- From Studies Electronic Laboratory Notebook request sample analyses

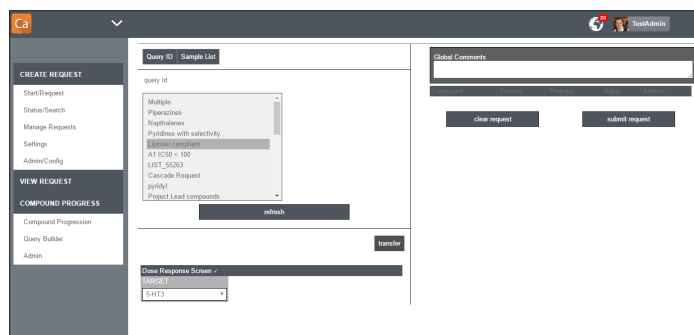


Figure 2: Identifying samples for request using Browser queries

CONFIGURABLE TEST REQUEST INTERFACE

- Cascade is highly configurable, enabling organisations to dynamically map their workflows, analysis types and SOPs as well as available instruments and personnel.
- New tests, SOPs and resources can be created easily
- Flexible templates enable workflow mapping
- Supports all test requests including chemistry, biology, formulations, purification, etc.
- Pre-established business rules such as routing and assignation of tests, approvals and email notifications, can be mirrored easily in Cascade

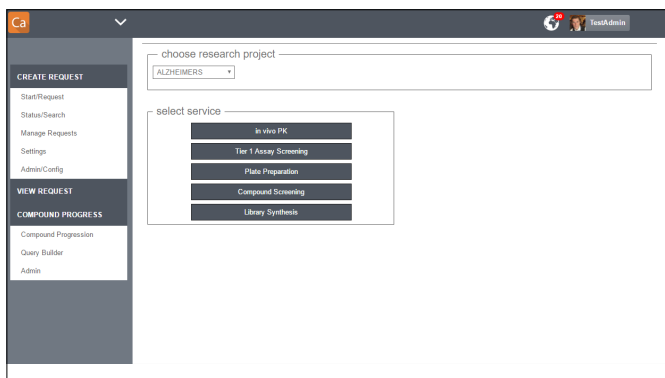


Figure 3: Configurable service panels or battery of tests

INTERACT WITH THIRD PARTY COLLABORATIONS ORGANISATIONS

Cascade allows externalized research teams to request tests within collaboration networks.

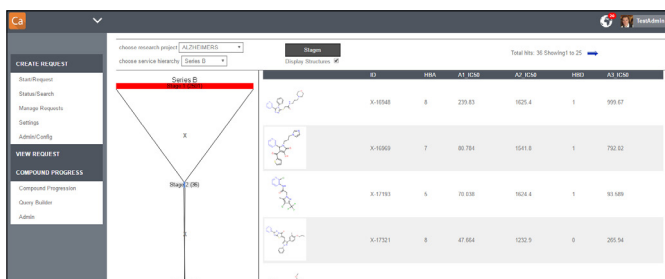


Figure 4: Tracking the progression of entities through a series of assay tiers

DOTMATICS CASCADE ENABLES TEST REQUESTS AND SAMPLE TRACKING, PROVIDING A CLEAR VIEW OF THE WORKFLOW, TIMING, RESOURCE ALLOCATION AND RESULTS

MANAGE LABORATORY RESOURCES

Optimising resources in the laboratory is key to all successful organisations. Cascade enables you to efficiently administer lab resources such as instruments and personnel ensuring maximum utilisation and minimum downtime. Easy to perform dynamic configurations guarantees that lab resources can be updated in real time, as required.

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