



PROTOCOL DESIGNER

Develop and manage laboratory workflows of samples through assays, standardize methods and procedures with Our visual workflow editor in an intuitive easy-to-use interface.

Sophisticated control for users to run applications, instruments or whole laboratories: We offer customized solutions for a drag&drop workflow editor so users can describe and develop workflows by stringing together instructions (things to be done) with resources (what the actions work on).

This process-centric approach can be adapted to any environment, condition and can be customized with specific actions and resources.

Our standardized descriptions of the resulting workflow allow easy interpretation by other software and software modules.

Rapidly automate repeating tasks, business processes, laboratory workflows, data analysis; easily share formalized descriptions of workflows with no programming expertise needed.

- Visual workflow editor for creating & modifying the elements.
- Formalized descriptions in exportable formats.
- Can be combined with other modules to allow user-specific creation and managing of workflows.
- Intuitive and easy-to-use.
- Breaks down complex process descriptions into graphical workflow charts.
- Reduction in complexity by providing templates and predefined modules
- Easy sharing of workflows to discuss and collaborate.
- Web-based: edit workflows anywhere, anytime.

Standardization

Each protocol described with our platform is automatically translated into a standardized and formal system: an ontology.

The standardization of protocols ensures first and foremost that all protocols specifications are complete, down to the details of each experimental step. This ensures a better replication on different platforms, your own as well as in other laboratories.

How it works

To develop a protocol simply drag-and-drop instructions (centrifuge, incubate, transfer, etc) into the workflow overview. Add containers, samples or complex predefined or custom modules as needed and connect them to describe a protocol.

Each step is controlled by a set of parameters. Temperature, Speed, Time and many more. The workflows are represented both visually as well as in a standardized format – a fully semantic description within an ontology that allows the usage of the protocols in other applications.

KNOWLEDGE SYSTEM

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There are many manufacturer-specific software solutions for instrument control. All are subject to change and allow no formal descriptions of their procedures.

With our knowledge systems we collect expert knowledge about processes and protocols, so that it can be translated and adapted anytime to different formats and devices. This allows updates for changes in instrumentation, interfaces and more.

Our software offers the possibility to gather, maintain and utilize such expert knowledge in form of domain-specific ontologies. Our smart services query and translate this knowledge into user experiences such as feedback about checks, suggestions for improvements, adaptation to different environments or configurations, and troubleshooting advice.

We offer customized solutions and consultation to build correct ontologies and utilize them for specific problems and tasks. Our software enables inexperienced users to work with expert systems without having experience with ontologies.

WHY WORK WITH US

As scientists we are passionate about making your own life easier and work more efficient. We will work with you to achieve your research goals.

