With BIOVIA Task Plan, scientists can easily create tasks, assign them to colleagues, and request their completion directly within a single electronic laboratory environment. Additionally, scientists can digitally manage the submission, routing, receiving, tracking and reporting of results originating from laboratory work requests and test orders.
LABORATORY EXECUTION MANAGEMENT

Laboratory work requests typically consist of one or more activities executed in a particular order on a set of materials, with dependencies and conditional terms. BIOVIA Task Plan supports the way scientists work in the lab. Flexible activity templates enable users to configure and manage activities that map to critical laboratory workflows for analytical and mechanical tests, chemical synthesis processes, biological testing, protein purification processes, polymerization, formulations optimization, and more. Business processes such as approvals, notifications, and routing can all be defined in accordance with organizational needs.

BIOVIA Task Plan is a web-based application that enables scientists to easily plan, request, assign and execute laboratory processes including:

- Prepare and test batches of solutions and materials
- Calibrate and verify laboratory equipment
- Acquire analysis data from equipment

Additionally, scientists can monitor task progress by reviewing laboratory planning, schedules and performance, and collate task results for review, analysis, and reporting.

WORKING WITH BIOVIA TASK PLAN

Workflows within BIOVIA Task Plan reflect the way scientists work in the lab. With samples defined using the companion BIOVIA Samples application, Task Plan workflows generally follow this layout:

- Lab activities are defined as single lab procedures (performing a pH measurement, a chromatographic measurement, weighing etc.), which are then utilized to create tasks.
- Tasks are created from available activities – either a single activity or a group of related activities – and are assigned to be executed on available samples.
- The task creator can then assign tasks to other scientists in the lab, or execute the tasks directly.
- Requests to execute tasks can have different priorities and due dates assigned.
- Scientists can view all tasks assigned to them, and execute the procedures.

BIOVIA TASK PLAN INTEGRATION

BIOVIA Task Plan operates as an integral part of the BIOVIA Unified Lab Management application suite, utilizing BIOVIA Samples for sample creation and management, BIOVIA Compose for authoring of activities and procedures, and BIOVIA Capture for procedure execution and data capture.

BENEFITS OF BIOVIA TASK PLAN

- Improve collaboration between scientists with shared workflows and appropriate task assignments
- Achieve more consistent assignment and tracking of experimental work across different labs
- Increase lab efficiency through better work distribution and resource allocation
- Reduce inconsistencies in data collection and procedure execution methods
- Simplify the transition from process and method development to execution
- Improve the tracking, defining and labeling of samples associated with experimental tasks

BIOVIA Task Plan is part of BIOVIA’s larger Unified Lab Management offering, with a comprehensive set of lab informatics capabilities for lab planning and scheduling, resource and recipe management, lab execution and reporting and analytics.
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