

# BIOVIA SAMPLE FOR ASSAY

## PLATE-BASED SAMPLE MANAGEMENT

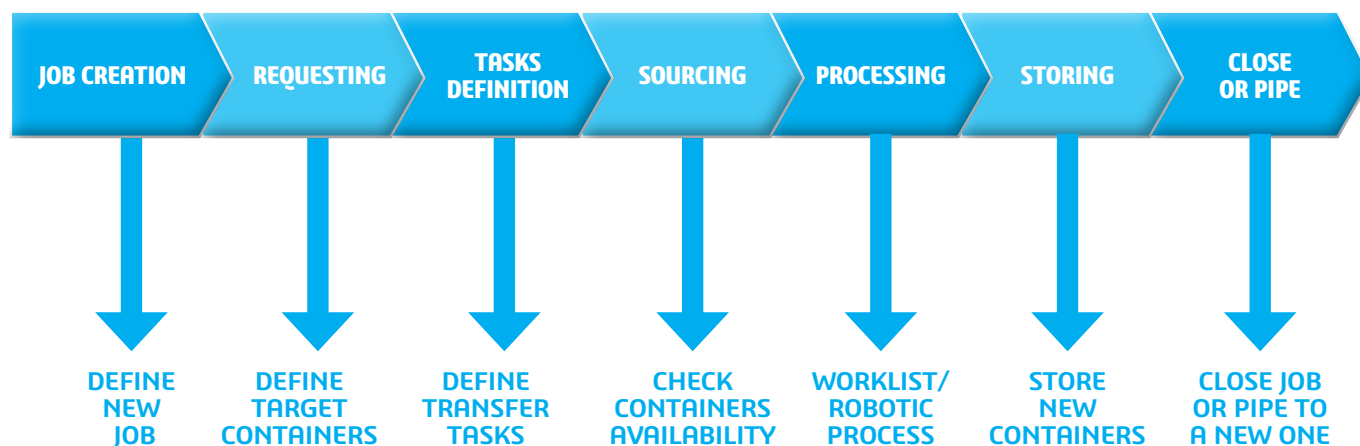
### Datasheet

Effective tracking of the large number of samples in a lab lies at the core of efficient lab operations. However, monitoring sample information – especially liquid samples – after a team of scientists have split, pooled, replicated, reformatted, diluted, aliquotted, or cherry-picked them can often overwhelm traditional software systems. This can compromise data quality and create unnecessary work to trace a sample back to its source, creating avoidable bottlenecks in the lab. These effects are compounded by the increase in plate-based High Throughput Screening as large numbers of samples can be run simultaneously. Actualizing the benefits these new technologies provide requires tools that can automate manual tasks in sample management, especially as they are prepped for plate-based assays.

These tools should:

- Track solid and liquid sample inventory, including preparation steps
- Support user-defined workflows to ensure best practices in sample preparation
- Tie samples back to job requests to ensure rapid traceability
- Tie assay results back to individual samples for simplified auditing

#### SAMPLE WORKFLOW



BIOVIA Sample for Assay helps scientists automate non-value added tasks in managing plate-based samples, streamlining lab operations and reducing manual errors.

#### WHAT BIOVIA SAMPLE FOR ASSAY DOES

BIOVIA Sample for Assay provides an intuitive web-based solution for your low to high volume biological and chemical plate-related sample management and tracking. Its flexible interface – designed to run on desktops, tablets, and mobile devices – allows users to easily take their work with them from their desk to the lab bench, reducing transcription errors. Additionally, unique bar codes for each sample can quickly track any changes in its state, such as a dilution, within the system, further minimizing the opportunity for a manual error. As a job-based sample management system, scientists can monitor all changes

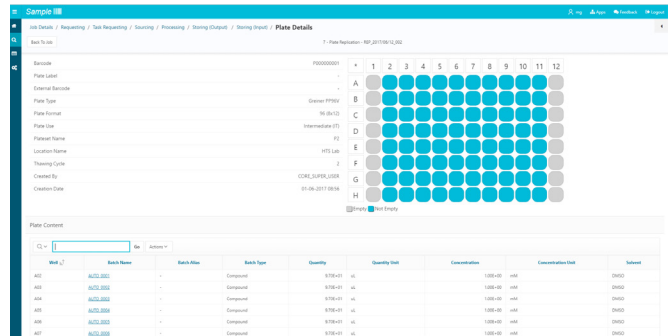
to samples associated with their work in a unified environment. BIOVIA Sample for Assay also supports BIOVIA Assay, a tool to help scientists manage the data that comes from plate-based assays, by allowing them to more efficiently track their data back to the job that created it.

#### WHO BENEFITS

BIOVIA Sample for Assay supports any scientist who utilizes plate-based screening techniques in their research by allowing them to track the complex processes that goes into their prep work. Lab managers can gain insight into how their inventory is being used, from the store room to the assay plate. Coupled with BIOVIA Assay, teams can more quickly sort through their work to more quickly share data across their organization or with external partners. This saves time in processing screening campaigns.

## KEY FEATURES

- Job-based system ensures easy sample traceability
- Unified environment to monitor liquid and solid sample inventory
- Integrates directly with robotic equipment, barcode printers, balances, and other lab equipment
- User-administrated preparation workflows
- User-centric management of entities and dictionaries
- Oracle SQL compatible



BIOVIA Sample for Assay tracks the steps needed to prepare an individual sample from its base materials to its specific location on a given well plate.

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