

## BC|SAMPLE FEATURES

### SAMPLES

- Generating sample entries
  - ✓ You can manually add one or multiple samples on the fly.
  - ✓ Macros are enabled to automate sample creation.
- Importing samples from a file
  - ✓ Samples can be imported from a tabulator separated text file with header lines.
  - ✓ The Upload Wizard helps you organize your data into datasets.
  - ✓ You can upload files from your computer's hard drive or from your working folder on the BC/SAMPLE server.
- Saving time with Sample Profiles
  - ✓ You can define the sample types and amounts collected for a study in advance.
- Editing samples
  - ✓ Samples can be edited individually.
  - ✓ Samples can be edited in batches for large-scale changes.
  - ✓ Generate new values for selected samples automatically using macros.
- Searching samples
  - ✓ Samples can be quickly found using the search toolbar.
  - ✓ Samples can also be located using the barcode scanner.
  - ✓ The sample filters help you refine your search.
- Tracking sample location
  - ✓ The sample info box provides the location of a sample.
  - ✓ Follow the automatically generated links to the virtual container.
- Tracking log files
  - ✓ The log files show the complete history of a sample, including; the date and time of made changes, the field the change was made to, the original value, the new value, and the user that made the change.
  - ✓ If the sample has been derived from another sample, for example, by splitting, the sample info box indicates the parent sample and its original table.

### TABLES

- Creating tables
  - ✓ You can use any of your own custom template spreadsheets.
  - ✓ You can also reuse a working spreadsheet by copying it from an existing table.
- Controlling access rights to your tables
  - ✓ You can assign permissions on the table or the filter to other users in the project.
  - ✓ A user with **Read-level** permission can read and search data from the table or filter.
  - ✓ **Write-level** permission can be restricted to adding new data (insert), modifying the existing data (edit), or deleting data (delete).
  - ✓ **Alter table-level** permission gives the user the rights to alter the table structure.
- Editing tables
  - ✓ You can always rename tables.
  - ✓ Table descriptions can be updated as necessary.

## FILTERS

- Creating filters
  - ✓ You decide which data should be included for your dynamic database query.
  - ✓ Separate access rights can be assigned to your filters.
  - ✓ You can create on-screen alerts for filtered data.

## CONTAINERS

- Managing laboratory freezers, racks, boxes, and plates together with samples
- Creating and editing containers
  - ✓ You can easily track your containers using the storage editor tool.
- Creating and editing the container hierarchy
  - ✓ You can organize containers in a hierarchical container tree by dragging and dropping them.
- Filling the containers
  - ✓ Samples can be assigned to be placed in assigned containers.
  - ✓ You can move the samples from a table to the hierarchical container tree.
  - ✓ The first free slot in the container can be automatically located.
- Saving time with Sample Profiles
  - ✓ Automatic sample placing for a specified project.

## LABEL EDITOR

- Creating labels and stickers for printing
  - ✓ Design and customize your own sample labels.
  - ✓ You can define fields for sample or container specific data. These fields will get filled in automatically from the database when printing.
- Adding dates
  - ✓ You can define a constant date, a printing date, or the date value from a table field.
- Adding 1D and 2D bar codes
- Saving labels
  - ✓ You can save label layouts in your working directory.
  - ✓ You can share label layouts or use them again for another project.
- Design and preview your labels

## MACROS

- Using the built-in macros
  - ✓ You can choose from available macros and edit their parameters.
- Your own custom macros can be created using the Java programming language