ELN: Well Plate Operations -- Annotating Individual Wells

Biological well plates in the ELN can be annotated on a well-by-well basis by clicking on a well in the well plate diagram, which subsequently opens an individual well annotation window to the right of the plate diagram, as shown in Fig 1.

Fig 1. Well plate diagram with individual well annotation window shown on the right side.

Within the individual well annotation window (Fig 2), you can provide an assortment of information, including: sample ID, volume, OD600, plasmid, nucleotide, and other information. Additionally, you can attach files (Fig 3) holding information specific to that well.

Fig 2. Individual well annotation window. Includes fields like volume, OD600, and sample ID. Users can also designate applicable nucleotides, plasmids, organisms, and protocols, or attach files. Data are temporarily stored (not saved) after clicking "Store Data (pre-save)". Data are not saved until the plate is saved by clicking on the "Save Plate" button.

Fig 3. Expanded individual well annotation window, showing file upload fields, including instrument, platform, and category. Files and data are temporarily stored (not saved) after clicking "Store Data (pre-save)". Files and data are not saved until the plate is saved by clicking on the "Save Plate" button.

In order to improve general performance, individual well annotations are not saved until you click the 'Save Plate' button at the bottom of the well plate creation/editing tools. So, don't forget to save!

Files uploaded, and saved, as part of your individual well annotations will later show up on your plate schematic (after clicking 'Attach data file?' again), as well as under the list of attached files from the general annotations. Depending on the level of data visibility you selected, these files can also show up for access in the LIMS data viewer.