

Extracting bead level data from xPONENT

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1 General

Luminex's own software, xPONENT, outputs raw bead level data in csv (comma separated values) files.

2 Saving the raw bead events

2.1 Documentation

From xPONENT's documentation:

One can obtain the FI for each bead within each sample from a so-called rCSV file. To configure your instrument to automatically generate the rCSV files, simply go to the Admin page/CSV Options Tab and make sure the bottom-most checkbox is checked. If checked and a run is performed, the rCSV files will be located under:

C:/docs&settings/all users/application data/Luminex/xponent/batchXXX_rcsv

2.2 HowTo

To save the individual bead fluorescence:

- Admin section

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- CSV Options Tab
- Check ‘**Automatically export results CSV file when batch is complete**’
- Check ‘**Include Advanced Statistics**’
- Choose the destination folder in the ‘CSV File Export Folder’ field.
- Save

The files will be located in the destination folder, in a directory **EXP_NAME_rcsv**.

2.3 xPONENT 1.x

In the first version of xPONENT, the filenames are **Run[001-096].csv**.

2.4 xPONENT 3.x

In the latest versions, the filenames use the following format: **EXP_NAME_WELL_ID.csv**, with well_id being A1-H12.

3 References

xPONENT 3.1 Software Manual:

<http://www.luminexcorp.com/prod/groups/public/documents/lmnxcorp/89-00002-00-202.pdf>

Obtaining FI of each bead within each sample:

<http://www.luminexcorp.com/blog/its-all-about-the-stats/>