ADCI wiki table of contents

Welcome to the Automated Dicentric Chromosome Identifier and Radiation Dose Estimator (ADCI) software wiki. To return to this table of contents at any time, click the Cytognomix logo or the text “ADCI” at the top of any wiki page. Also note you can return to previous pages you have visited by clicking a link in the “trace” section above. While viewing offline in PDF format, the document contains bookmarks allowing navigation.

If this is your first time using the software, the dongle and splash screen pages will help get the software up and running. Next you may wish to consult the quick start guide for a basic overview of the software and an example if its basic usage. The main GUI page provides and overview of the graphical user interface and can help you to locate the tools necessary to use the software.

Getting started

Video overview of ADCI published in the Journal of Visualized Experiments
demonstration version
installation
quick start
dongle
splash screen
main GUI
console
plots

Samples

sample
processed sample
image selection model
preset image selection models
automated search for optimal image selection models
process queue
process samples with GPU
metaphase image viewer
SVM sigma value
false positive filters
group bin method
quality control
time required to process samples
transfer sample to another computer (pack/unpack sample)
combine processed samples

Estimate dose

curve calibration wizard
dose estimation wizard
calibration curve
estimate dose
partial-body dose estimation
guide to create manually derived calibration curves (pdf)

Reports

report
sample report
calibration curve report
dose estimation report
provider report (dose estimation - csv format)
optimal image selection model search report

Execution history

log file
ADCI log file viewer
log viewer sidebar
viewer tab
search tab
integrity tab
sample recovery

Other

Shortcut Document - Overview of ADCI software icons and main concepts (pdf)
FAQ, useful tips and tricks
ADCI and underlying algorithm references
abbreviations
acknowledgements
contact us

ADCI-BGQ (in progress)

Get started
Overall workflow
Main GUI

Create a sample for a person
Create a sample set
Create a scenario
Edit descriptions of a scenario, sample sets and samples
Process a sample set
Display sample locations and doses of a scenario on a map
Perform Kriging on a scenario
Compare a Kriging result with a previous one
Densify a Kriging result