

Supplementary Table 1 – acquisition duration data

Method	Date	Start time	Stop time	Step	Total time	Figure reference
MATLAB	03.29.21	10:00	12:30	Brightfield imaging	2.5hrs	Fig 1a
Aiforia	11.01.21	18:33	19:35	ROI annotation	1hr	Fig 1a
MATLAB	03.30.21	13:30	15:00	Analysis / Quantification	1.5hrs	Fig 1a
Aiforia	11.01.21	19:37	19:43	Analysis / Quantification	5min	Fig 1a
MATLAB	03.29.21	13:30	14:00	Analysis / Quantification	30min	Fig 1b
Aiforia	4.22.21	11:31	11:35	ROI annotation	4min	Fig 1b
Aiforia	4.22.21	11:37	11:37	Analysis / Quantification	<1min	Fig 1b

Supplementary Table 1. Method step-specific comparison of dataset acquisition duration. (**Method**) Identifying the use of either MATLAB or Aiforia®. (**Date**) the date on which the Step was performed using US calendar notation (mm-dd-yy). (**Start time / Stop time**) the time when each Step began and ended respectively using 24-hour clock. (**Step**) a brief description of the action performed in the process of acquiring data. (**Total time**) the duration of elapsed time between when each step began and ended. (**Figure reference**) identifies the figure in the main text for which the details are provided.