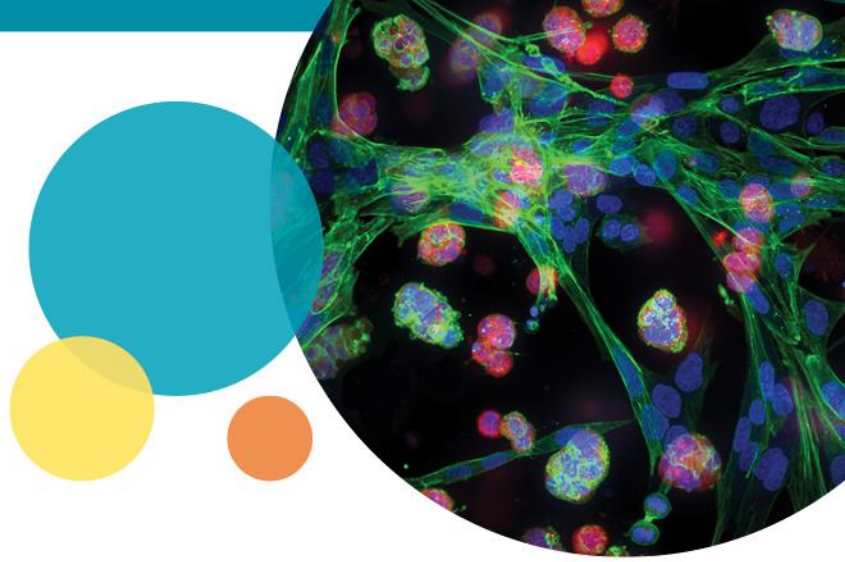


CellReporterXpress® Software Guide for setting up a Time Series Acquisition

Quick Start guide

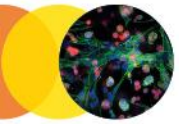
MOLECULAR DEVICES
ADVANCING DISCOVERY

Support Resources

- Help button within CellReporterXpress® Software
- Support and Knowledge Base: http://mdc.custhelp.com
- Email Technical Support:

  support@moldev.com (US)
  techsupport.eu@moldev.com (EU)

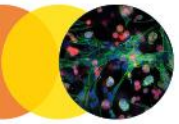
- Telephone Technical Support: 800-635-5577 (US) or +44 118 944 8000 (EU), select options for Technical Support → Cellular Imaging Products →ImageXpress Products

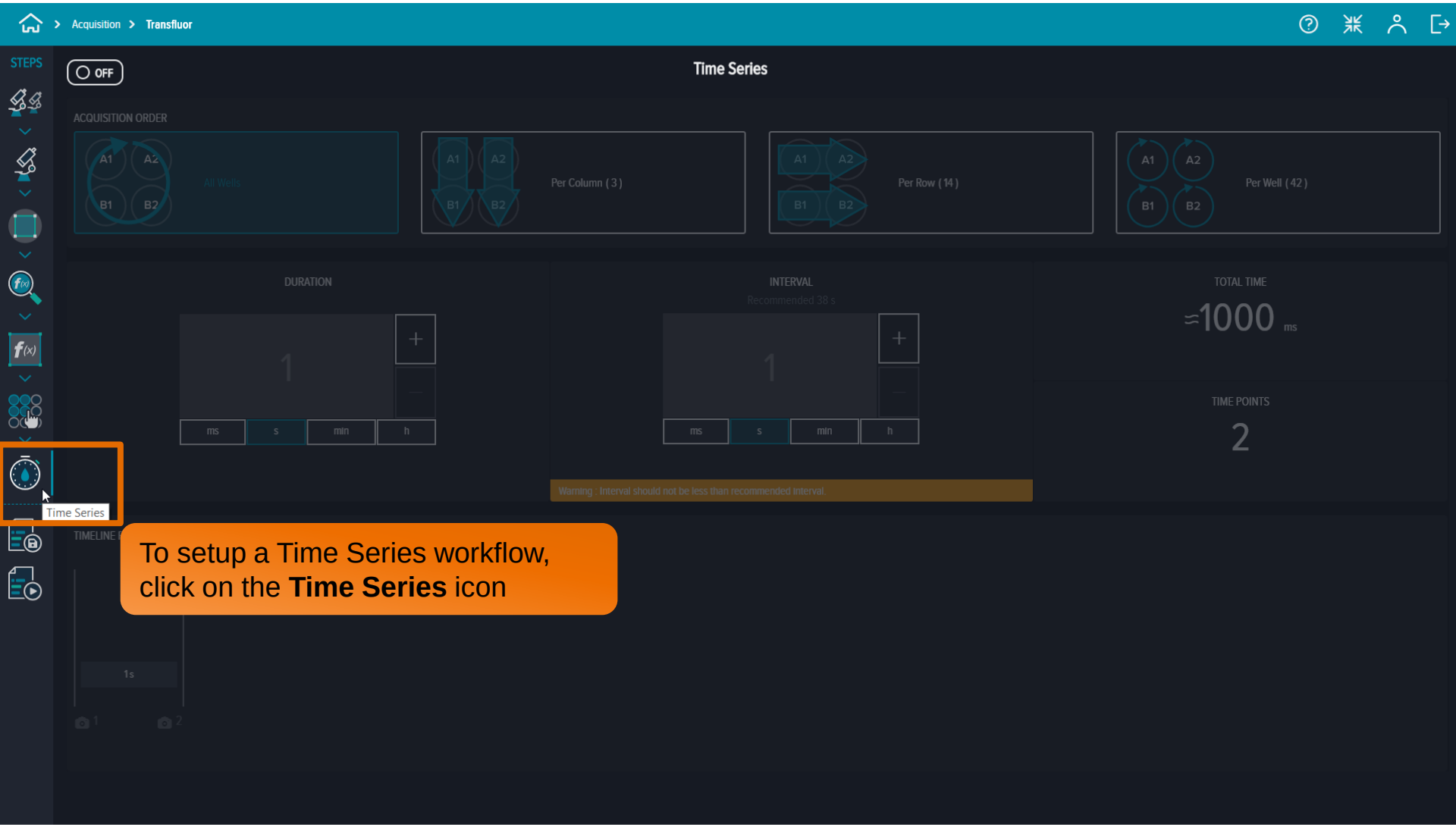


Purpose

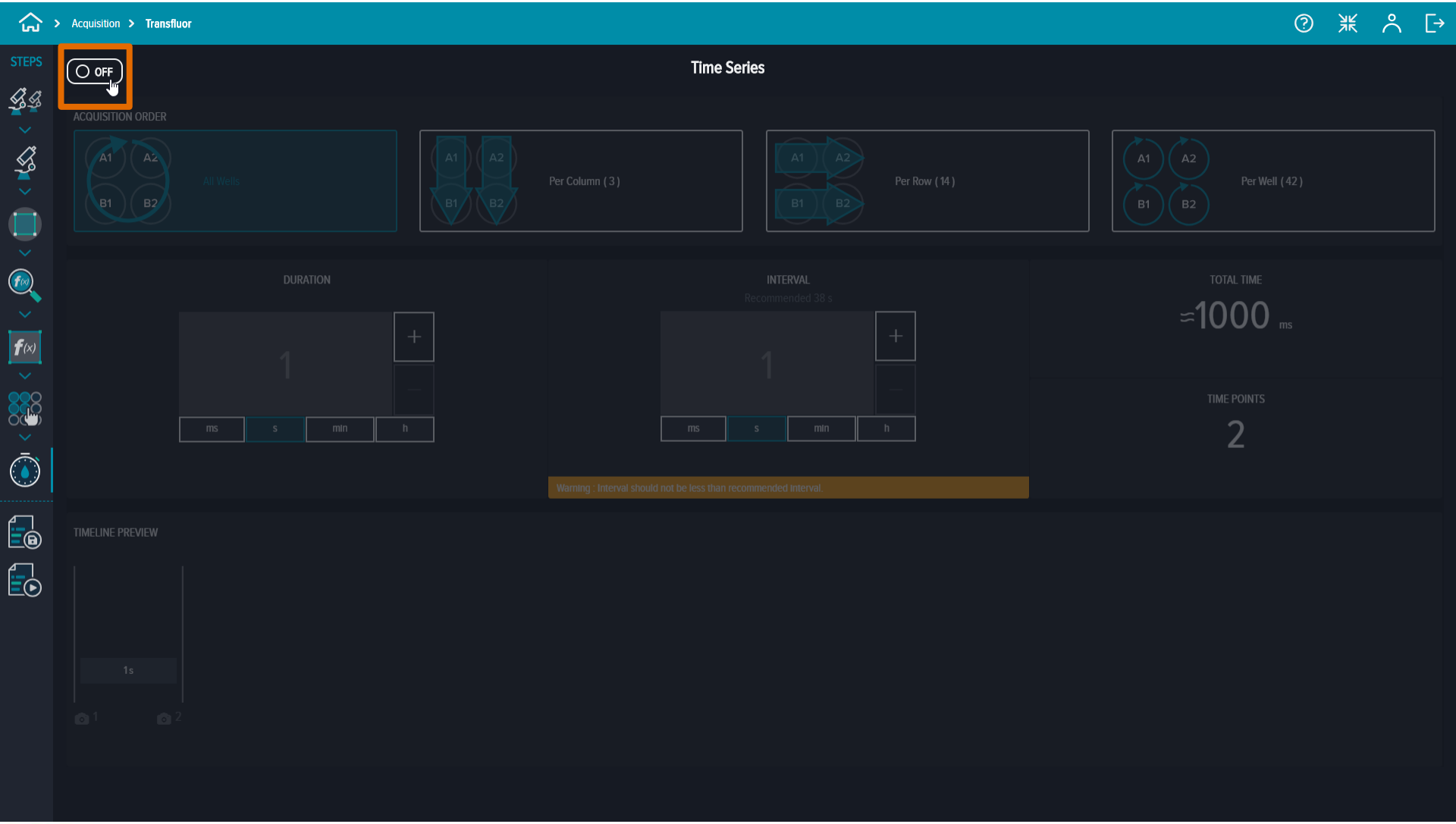
This document provides a step-by-step review of how to set up a Time Series Acquisition:

- Explains the 4 different Time Series Acquisition Orders
- Describes setting up duration and intervals for the Time Series Acquisition



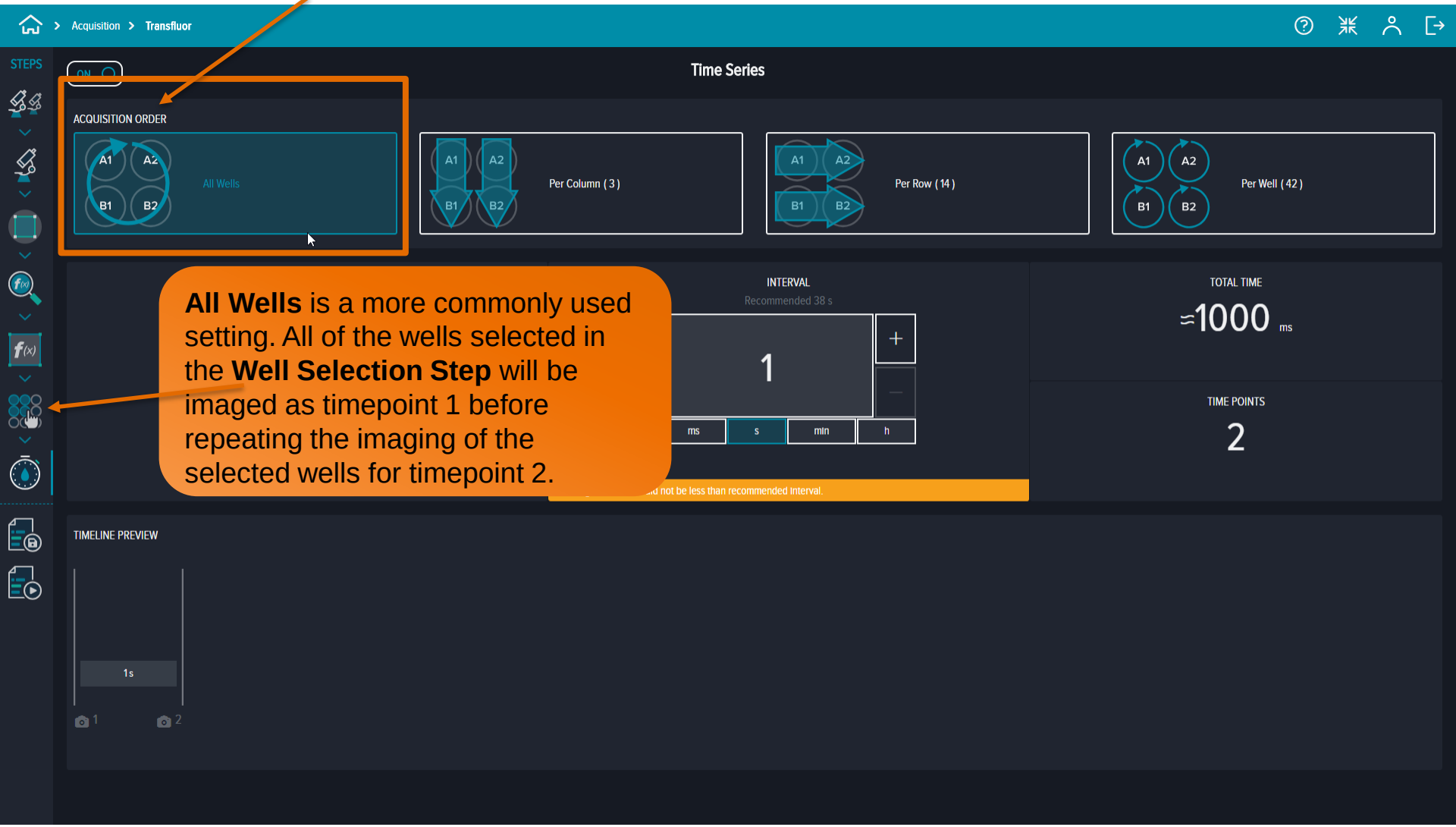


The default is set to have the Time Series turned off. Click on the **OFF** button to turn the Time Series on.



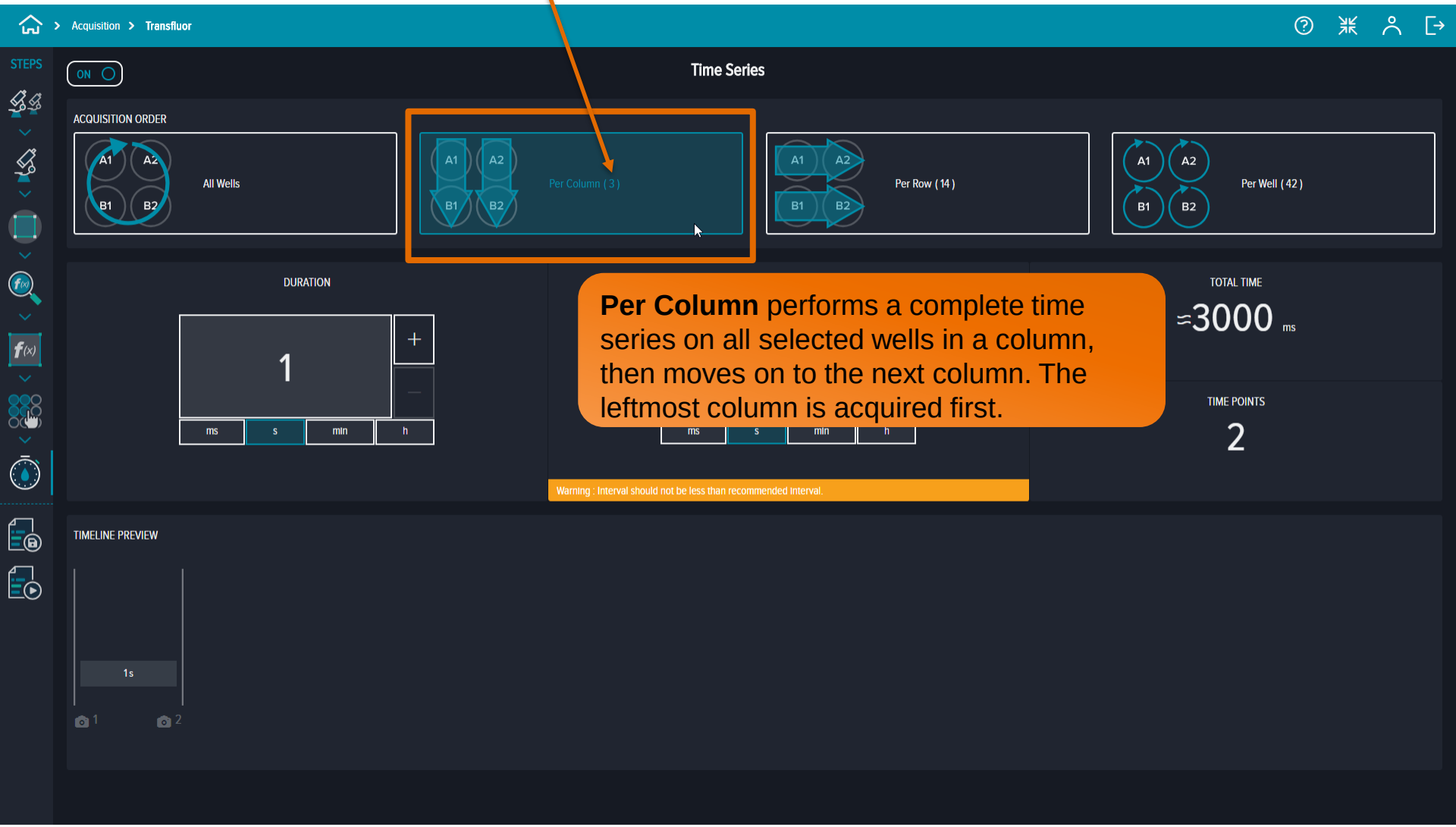
Time Series is now **ON**, and the settings can be configured.

Select the **Acquisition Order** for your Time Series



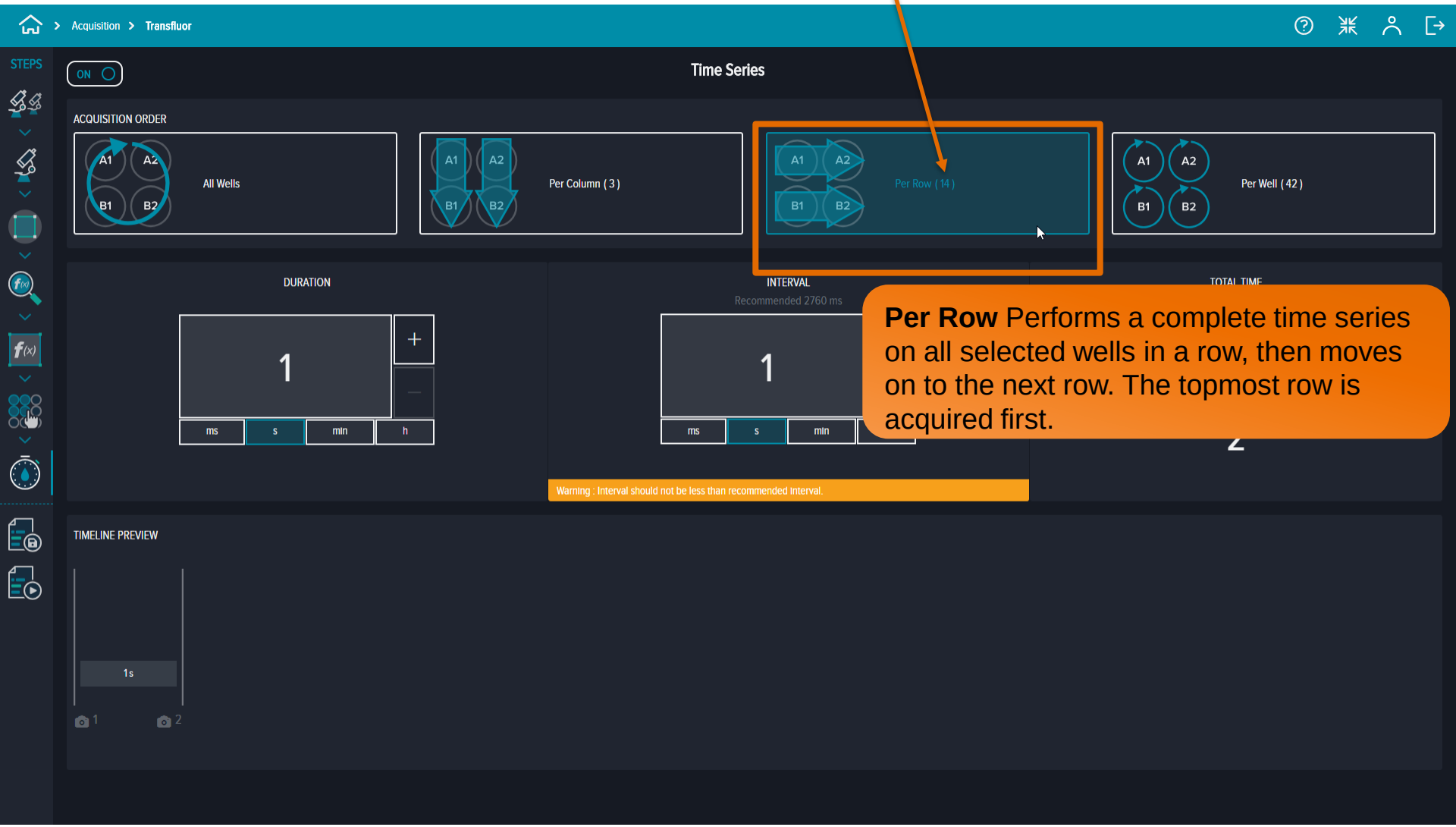
All Wells is a more commonly used setting. All of the wells selected in the **Well Selection Step** will be imaged as timepoint 1 before repeating the imaging of the selected wells for timepoint 2.

The number of columns selected in the Well Selection step will appear here.



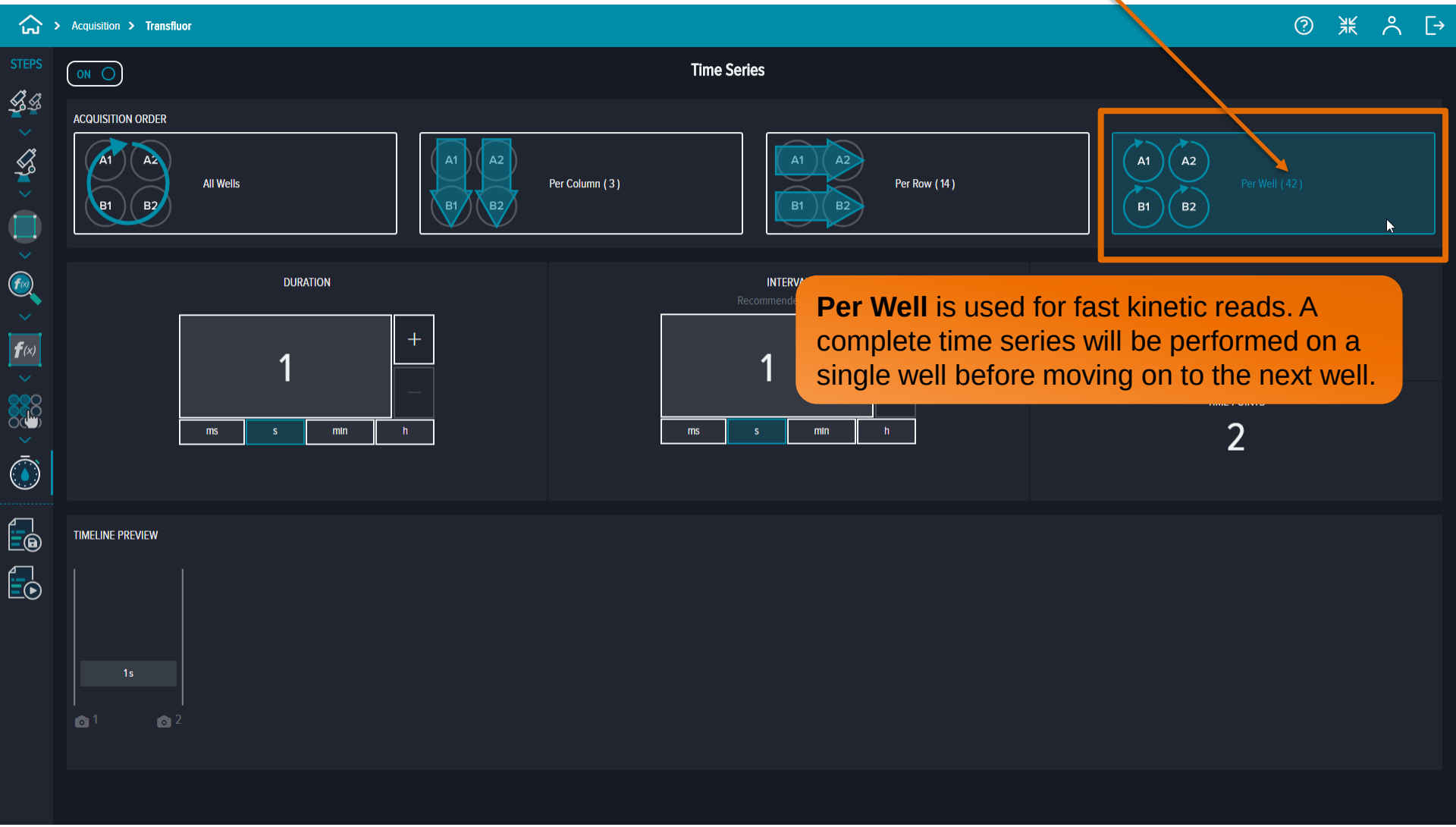
Per Column performs a complete time series on all selected wells in a column, then moves on to the next column. The leftmost column is acquired first.

The number of rows selected in the Well Selection step will appear here.



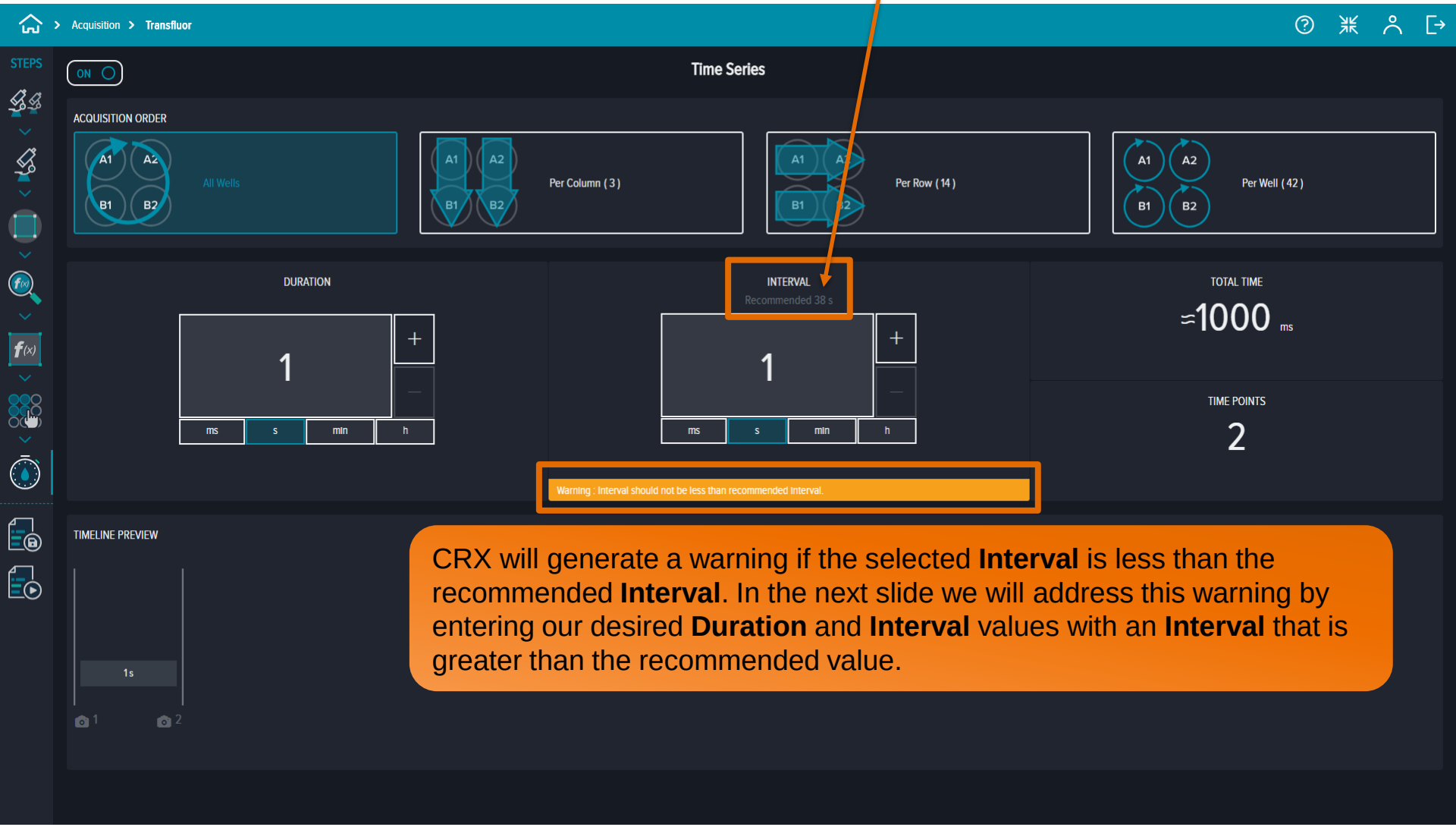
Per Row Performs a complete time series on all selected wells in a row, then moves on to the next row. The topmost row is acquired first.

The number of wells selected in the Well Selection step will appear here.

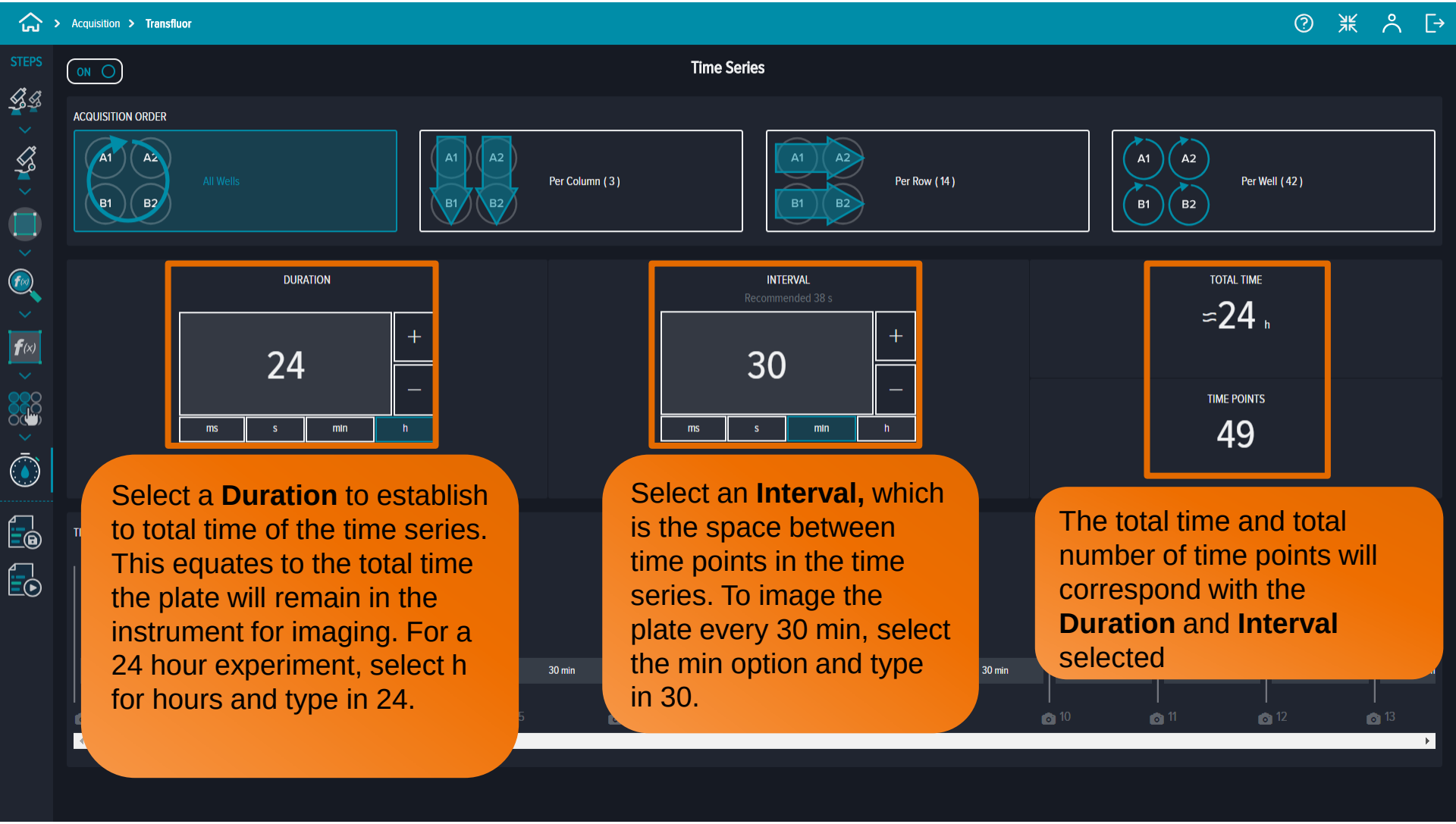


Per Well is used for fast kinetic reads. A complete time series will be performed on a single well before moving on to the next well.

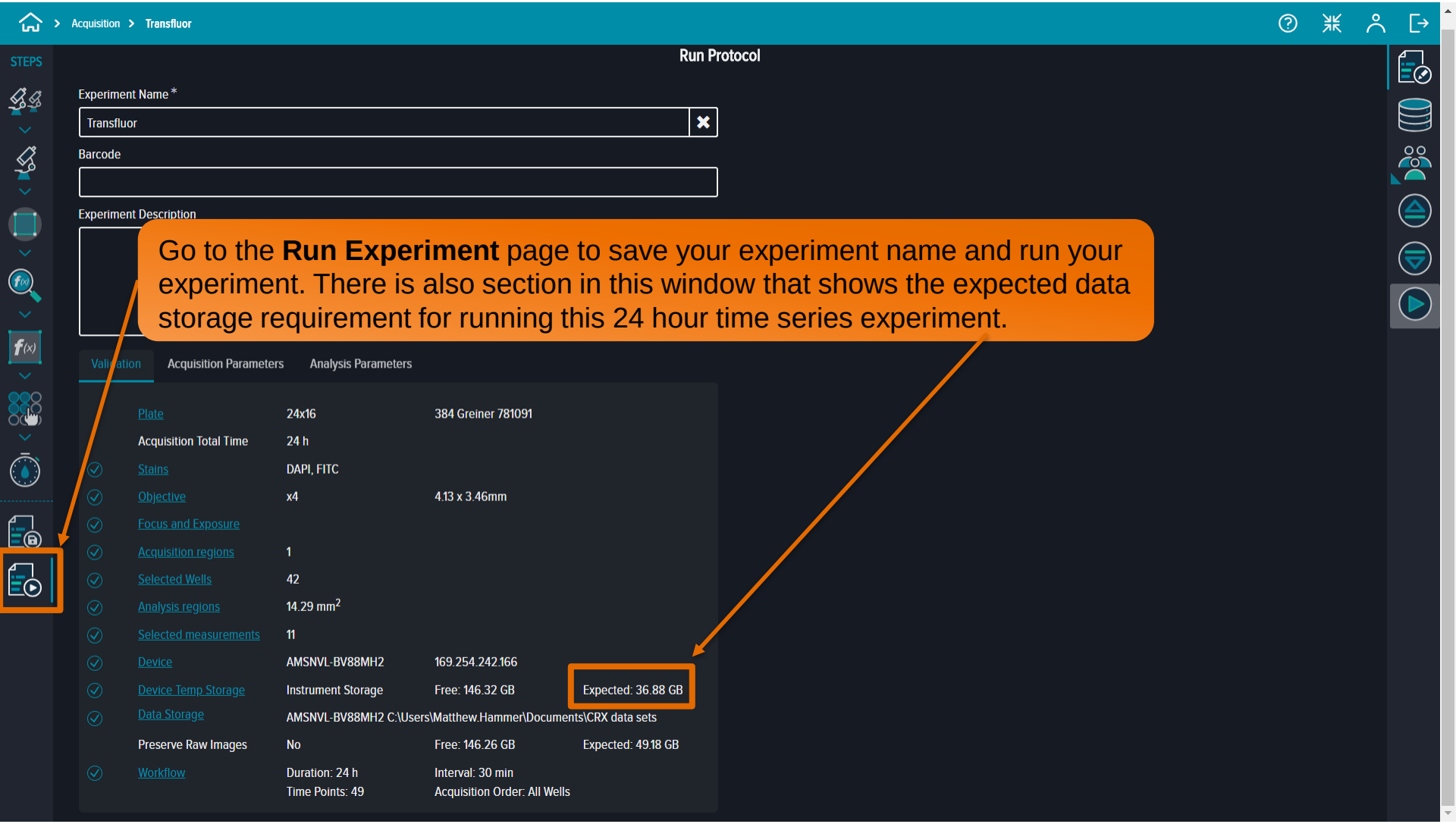
CRX will automatically present a recommended **Interval** value based upon the number of wells, number of regions, number of wavelengths, exposure times, and acquisition order.

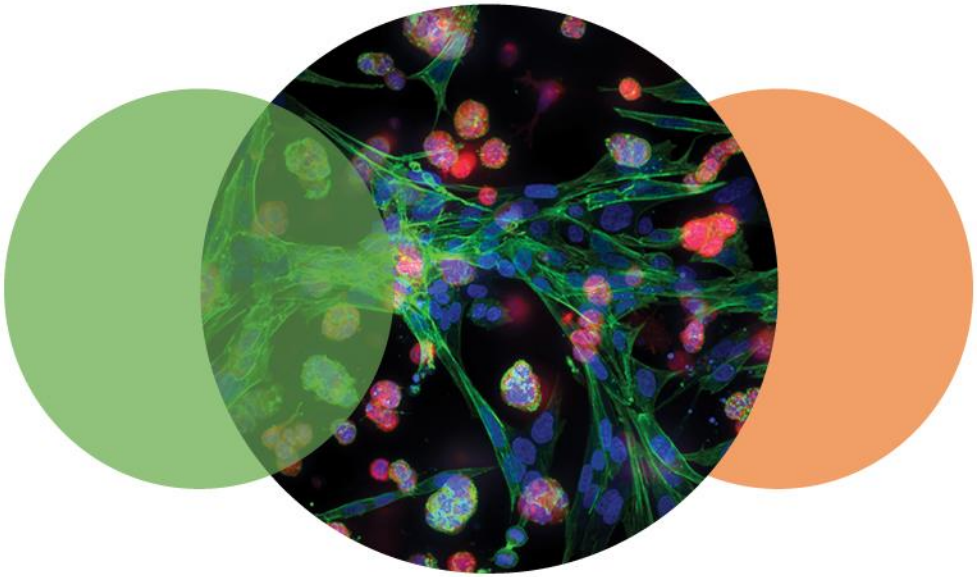


CRX will generate a warning if the selected **Interval** is less than the recommended **Interval**. In the next slide we will address this warning by entering our desired **Duration** and **Interval** values with an **Interval** that is greater than the recommended value.



A preview of your time series will appear at the bottom of this window under the **Timeline Preview** section, which can be optionally scrolled through to view the entire list of time points.





MOLECULAR DEVICES

ADVANCING DISCOVERY