

Subject: [lennon-l] FW: Gen5 Discontinuous Kinetics
Date: Wednesday, June 7, 2017 at 12:18:29 PM Eastern Daylight Time
From: Wisnoski, Nathan I
To: lennon-l@list.indiana.edu
Attachments: image001.jpg, image002.jpg, image003.jpg

Forwarding these instructions again since it looks like the plate reader is booked for the next few weeks with growth curves.

We should probably run those curves in “discontinuous kinetics” so we can pause in the middle of growth curves to quantify DNA, etc. I’ll try to make some “pausable” growth curve protocols.

From: "Wisnoski, Nathan I" <wisnoski@indiana.edu>
Date: Thursday, May 5, 2016 at 4:17 PM
To: "lennon-l@list.indiana.edu" <lennon-l@list.indiana.edu>
Subject: Fwd: Gen5 Discontinuous Kinetics

Hi all,

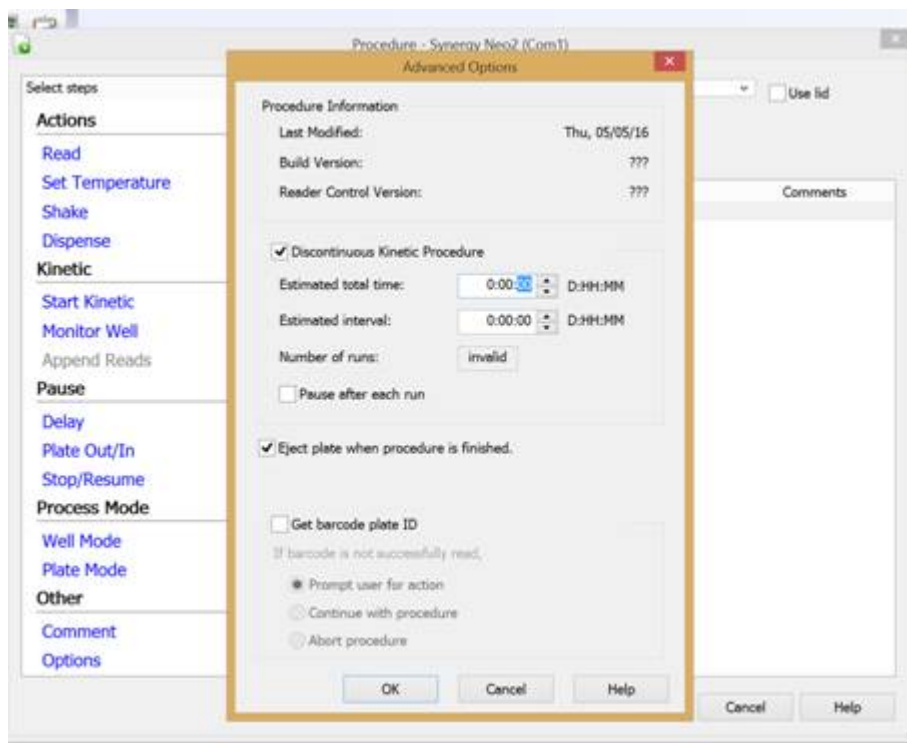
See forwarded instructions for how to pause and resume the plate reader during long growth curves in order to read a second plate.

Begin forwarded message:

From: Steve Kraynik <krayniks@BioTek.com>
Subject: Gen5 Discontinuous Kinetics
Date: May 5, 2016 at 2:42:06 PM EDT
To: "wisnoski@indiana.edu" <wisnoski@indiana.edu>

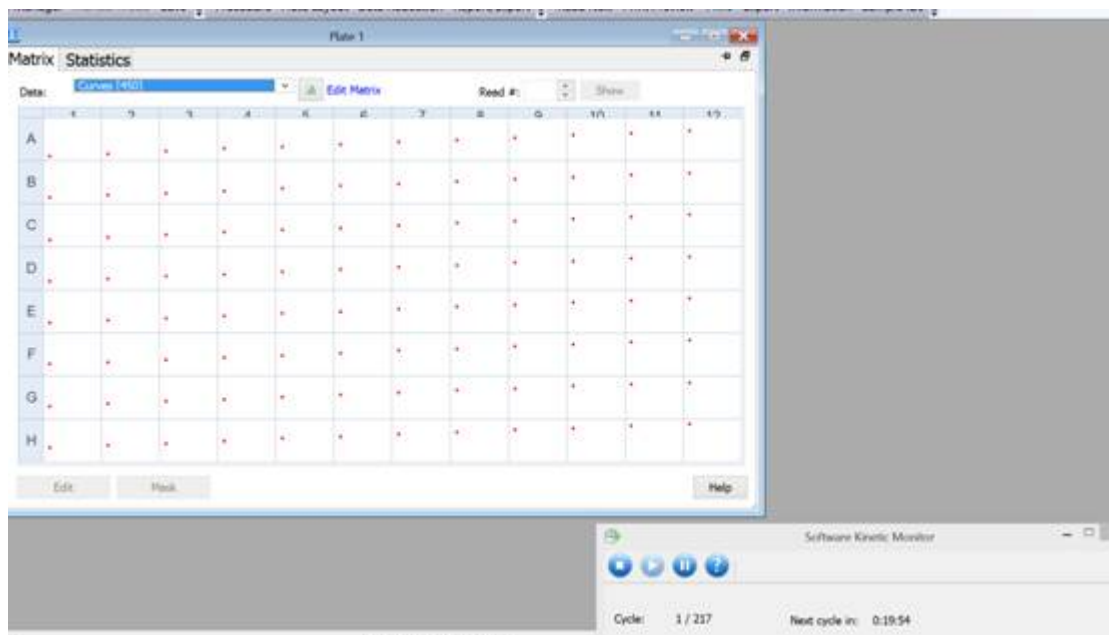
Hi Nathan,

Great meeting you yesterday. I wanted to send you some instructions on discontinuous kinetics. First, when you design a discontinuous kinetics procedure, you do not create a conventional kinetic loop. You only add read/shake/temp/etc. steps. The kinetics are controlled by going to “Options”→check “Discontinuous Kinetics Procedure”→Uncheck “Pause after each run”→Enter duration and interval times→Click OK. If you want to do shaking, you’d add your read step first, then shaking afterwards.



If you are planning on continuously shaking, there are a couple of things to go over to use this feature properly when shaking for long periods of time:

After starting a Discontinuous Kinetics run, you will see a window called “Software Kinetic Monitor” in the lower right corner:



To pause a read, click the Pause button. However, Gen5 will not pause the procedure until AFTER a cycle has completed. This is particularly important if you want your plate to shake continuously between reads. The buttons in Software Kinetic Monitor may gray out, and it will seem like nothing is happening – this is because it is waiting until the cycle ends (both reading and shaking) before pausing. If pause is clicked, then after the cycle ends the plate will eject, allowing access to the reader for a separate protocol. After hitting play again, it will then start with the next cycle and time-stamp it appropriately.

My best,
Steve

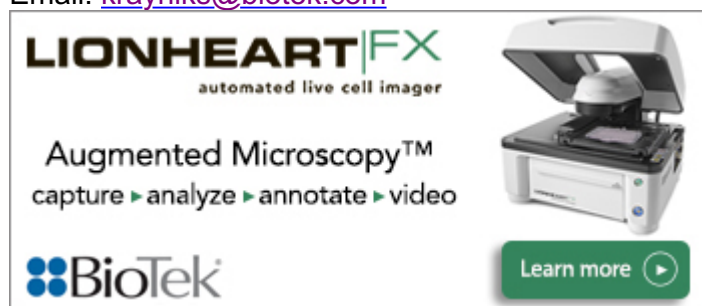
Steve Kraynik, Ph.D.

Sales Representative - IN-OH-KY

BioTek Instruments, Inc.

Phone: 614-327-4528

Email: krayniks@biotek.com

The advertisement for the Lionheart FX automated live cell imager features the product name in large, bold letters with a green 'FX' suffix. Below it, the text 'automated live cell imager' is written in a smaller font. To the right is a photograph of the white and grey device. In the center, the text 'Augmented Microscopy™' is displayed, followed by a sequence of steps: 'capture ► analyze ► annotate ► video'. The BioTek logo, consisting of four blue squares and the word 'BioTek', is positioned at the bottom left. A green button with the text 'Learn more' and a play icon is located at the bottom right.

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