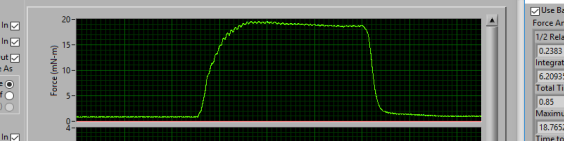


The screenshot displays the LabBook Study application window. The title bar indicates the file path: ASI 611A Dynamic Muscle Analysis v5.501 - C:\Users\Administrator\AppData\Local\DMC\v6\Studies\MS1N ACL Study\2020-02-20\48\Sample 1\130616-FF_Knee_Extensors. The menu bar includes File, High Throughput, and Help. The left sidebar contains checkboxes for 'Unfiltered Force', 'Filtered Force', 'Force Out', 'Show Force As', 'Unfiltered Position', 'Filtered Position', 'Position Out', 'Show Position As', 'Position', 'P-Plot', 'Strain', 'Inverted?', and a button for 'Invert Force Data'. The main area features three stacked plots: Force (mN), Position (°), and Strain (%). The x-axis for all plots is Time (s), ranging from 0 to 1.0. The y-axis for Force is 0 to 2.5 mN, for Position is 0 to 1.5°, and for Strain is 0 to 100%. The Force plot shows three distinct peaks. The Position plot shows a step-like increase. The Strain plot shows a step-like increase. At the bottom, there is a timeline with markers for 'Unzoom' and 'Zoom', and a series of buttons: 'Open Data File', 'Get Data from LabBook Study', 'Filter Setup', 'Normalization', 'Muscle Analysis', 'Work Loop', 'Time Derivative', 'Line Fitting', 'Export Data', and 'File opened from C:\Users\Administrator\AppData\Local\DMC\v6\Studies\MS1N ACL Study\2020-02-20\48\Sample 1\130616-FF_Knee_Extensors'.



AS6 611A Dynamic Muscle Analysis v5.501 - C:\Users\Administrator\AppData\Local\DMCv\Studies\MSCTN ACSTL Study\0320-8...

File High Throughput Help

Unfiltered Force In ☒
 Filtered Force In ☒
 Force Out ☒
 Show Force As:
 Force ☐
 F/Fire ☐
 Stress (kPa) ☐

Unfiltered Position In ☒
 Filtered Position In ☒
 Position Out ☒
 Show Position As:
 Position ☒
 P/Fire ☐
 Strain ☐
 Inverted? ☒

Invert Force Data

Force (mN) vs Time (s) plot showing a green curve that rises from 0 to approximately 18 mN between 0.2 and 0.4 seconds, remains constant until 0.6 seconds, and then drops to 0.

Position (°) vs Time (s) plot showing a green line that drops from 0 to approximately -1.1° between 0.4 and 0.6 seconds, and then returns to 0.

Simulation plot showing a red bar chart of force over time, with a peak of approximately 18 mN between 0.4 and 0.6 seconds.

Unzoom

0 10 20 30 40 50 60 70 80 90 100 0 10 20 30 40 50 60 70 80 90 100

Time (s) (Display: 0.1 s, Test Length)

Time (s) (Display: 0.1 s, Test Length)

Muscle Analysis

☒ Use Baseline Correction ☐
 Force Analysis Length
 1/2 Relaxation Time 1/2
 0.2383 sec 0.003
 Integration sec
 6.20935 mN-m-sec -0.0
 Total Time Total
 0.85 sec 0.95
 Maximum Maximum
 18.7652 mN-m 0.01
 Time to Maximum Time
 0.3835 sec 0.27
 Minimum Minimum
 -0.104227 mN-m -0.0
 Time to Minimum Time
 0.0555 sec 0.62
 Max Derivative Max
 953.299 mN-m/sec 15.4
 Time to Max Derivative Time
 0.2716 sec 0.30
 Min Derivative Min
 -1118.15 mN-m/sec -19.0
 Time to Min Derivative Time
 0.0206 sec 0.38
 Baseline Base
 0.819907 mN-m 1.38

Open Data File Get Data From LabBook Study Filter Setup Normalization Muscle Analysis Window Opened. Work Loop Time Derivative Line Fitting Export Data

Muscle Analysis Window Opened.

Close Window

ASi 611A Dynamic Muscle Analysis v5.501 - C:\Users\Administrator\AppData\Local\DMACv6\Studies\MTSTN ACL Study\2020-03-20...

File High Throughput Help

Unfiltered Force In ☐
 Filtered Force In ☐
 Force Out ☐
 Show Force As ☐
 Force ☒
 F/Fred ☐
 Stress (kPa) ☐

Unfiltered Position In ☐
 Filtered Position In ☐
 Position Out ☐
 Show Position As ☐
 Position ☒
 P/Fred ☐
 Strain ☐

Inverted? ☒

Invert Force Data

Force (mN-m)

Position (°)

Stimulation

Time

Offset

Graph - Displays Protocols as

Zoom

0 10 20 30 40 50 60 70 80 90 100

0 10 20 30 40 50 60 70 80 90 100

Open Data File	Get Data from LabBook Study	Filter Setup	Normalization	Muscle Analysis	Work Loop	Time Derivative	Line Fitting	Export Data
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File opened from: C:\Users\Administrator\AppData\Local\DMACv6\Studies\MTSTN ACL Study\2020-03-20\481\Sample 1\130616-FF_Knee_Extensions-