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FOLDER CONTENTS

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Videos (“Peel Videos”)

Light Microscopy Images (“Light Microscopy”)

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HUMAN AND SHEEP PEEL TEST DATA ORGANIZATION

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The first tab with the excel data file is a “Data Summary” sheet that summarizes test data. The table here includes the corresponding Excel tab number, and donor information including identification number, age, gender, and date of death. Also listed in this summary are which eye was tested, peel test region, test date, and post mortem test time. Two main values extracted from test data are the maximum peel force and the steady-state peel force, and are also shown in this summary sheet.

Each tab includes the full data set for each test run. Recorded test data includes:

\*\*Time: test time data (in seconds)

\*\*Extension: peel displacement reading of load sensor (in millimeters)

\*\*Load: force reading from the custom peel test device (in Newtons)

\*\*Load shift: for some samples, force reading was shifted to account for non-zero load at beginning of test.

Videos were taken of every test. Corresponding video name, and a link to the video file are included for every test.

After viewing the data and corresponding video, a steady-state (SS) peel region was defined by recording initial (SS\_i) and final (SS\_f) time points at which steady-state peeling occurred. The average peel force over this region was taken to give an average steady-state value (Average SS) in Newtons. If the video did not show peeling, then it was concluded that steady-state did not occur, and this value was not included in the analysis. Maximum peel force (Max Value) was found to be the absolute maximum load reading before steady-state occurred.

A time history plot is shown of the peel force data (load) over time. An orange line indicates average steady-state peel force, and the time over which the steady-state was taken.

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PEEL VIDEOS

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A video of the peel test was taken of every sample tested. Video naming convention is as follows:

[ID]\_[Eye][Region].mp4

[ID]: Human subject number ranging from 01-17; Or sheep + animal identification number

[Eye]: Left (L) or right (R) eye

[Region]: Peel took place at the equator (E) or posterior (P) region of the eye

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LIGHT MICROSCOPY

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Images were taken from selected peeled retina, and retina adjacent to the peels. Image naming convention is as follows:

[ID]\_[Eye][Region][Peel/Adjacent].mp4

[ID]: Human subject number ranging from 01-17; Or sheep + animal identification number

[Eye]: Left (L) or right (R) eye

[Region]: Peel took place at the equator (E) or posterior (P) region of the eye

[Peel/Adjacent]: Peeled retina (P) or adjacent to peel (A)