**Spectroscopic Pathology Pictorial Documentation**

Version 1, November 2022

## Purpose

The purpose of this document is to provide insight into the desired procedure to collect skin data using a spectroscopic probe. Images are provided to describe each step.

## Setup

The physical setup can be seen below. The stage moves in the x and y using manual fine control knobs. The stand moves in the z using manual knobs. The probe is placed in the stand and the sample is placed on the stage.

A picture containing window

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Stage

Probe

Stand

## Procedure

1. Place a clear plastic grid on the stage
2. Place the skin specimen in the centre of the stage
3. Optical imaging (photography) of specimen. Please ensure the specimen and grid are full visible.
4. Position the region of interest (ROI) under the probe. The laser should directly illuminate the ROI. Knobs can be used for fine tuning.

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1. Once in position. Tell the operator the tissue label. (Cancer, healthy)
2. For each ROI, the area can be sampled as follows
   1. Operator will record a 1 second sample from the spectroscope at each stationary location or
   2. Operator can start the recording and the ROI can be continuous recorded.
3. Data is saved and labeled after each recording.
4. Repeat steps 4 to 7 for each ROI