

Guidelines for Capturing Linear Images

General guidance:

- White balance once at beginning of imaging session, then do not adjust light intensity on microscope again during that same session.
- Use camera exposure or shutter control to adjust image brightness.
- Use histogram to ensure all color channels are within the range (saturation = lost data!).
- Do not adjust contrast, saturation, hue or gamma unless such guidance is provided below.

Software and version: Olympus cellSens v1.x (Entry, Standard, Dimension)

Camera(s): Olympus DP73

Recommended Acquisition Settings

In cellSens, the DP73 has 4 contrast modes: 0, 1, 2, 3 which correspond to linear, low, standard, high contrast, respectively. Best results should be obtained with “0” for Linear, or “3” for High Contrast.

Turn off the WDR (Wide Dynamic Range) option as this applies a non-linear profile to your images.

Ensure that Gamma, Hue, Saturation, Tone and other color-related adjustments are set to the default settings.

Use manual exposure and the histogram to ensure that all color channels are completely within the histogram range.

DP73

