

# LAD for KODAK Color Negative Film

**Black Patch**

Original scene had Munsell N 1.75 neutral having a reflectance of 2.5 percent. Represents typical scene black.

**White Patch**

Original scene had Munsell N 9.5 neutral having a reflectance of 90 percent. Represents typical scene white.

**Black Background**

Original scene had black background with no illumination, effectively giving no exposure on negative (D-min). Represents absolute black in typical scene.

**LAD Patch**

Original scene had Munsell N 4.5 neutral having a reflectance of 16 percent. The nominal **Status M density** of the LAD standard patch is **0.80 red, 1.20 green, and 1.60 blue**. Always print this patch to these specified aim densities when making master positives, duplicate negatives or prints.



**Fleshtone**

The model had fair Caucasian fleshtone (minimal make-up) and medium brown hair.

**Frameline**

The nearly opaque frameline will generate "reference white" on video display when the LAD standard patch is used to set up an electronic color analyzer.

**Color Patches**

Blue, green and red color patches are used to help identify black-and-white separations. Not intended for objective setup or measurement.

**Gray Scale**

Original scene had six Munsell neutrals having reflectances of 79, 40, 20, 10, 6.6 and 3.1 percent. Use this gray scale for subjective evaluation of tone reproduction or contrast mismatch. Not intended for objective measurement.

**Use of LAD Standard Patch**

**Printer Setup**

- Control printers and processes independently.
- Print at standard TAPE values (usually 25R-25G-25B).
- Measure density of LAD patch on print or master positive, after printing and processing.
- Adjust printer TRIM or FILTER setup to achieve specified aim densities.

**Timing and Printing**

- Splice a few frames of LAD standard film into head of each printing original.

- Set up electronic color analyzer at standard TAPE values (usually 25R-25G-25B). See analyzer setup brochure.
- Color time original, scene-to-scene.
- Print LAD standard film along with pictures, using scene-to-scene timing.
- Measure density of LAD patch on processed print or master positive to verify densities are near specified aim values.

