

ROG MICROSCOPY & CONSULTING SERVICES LLC

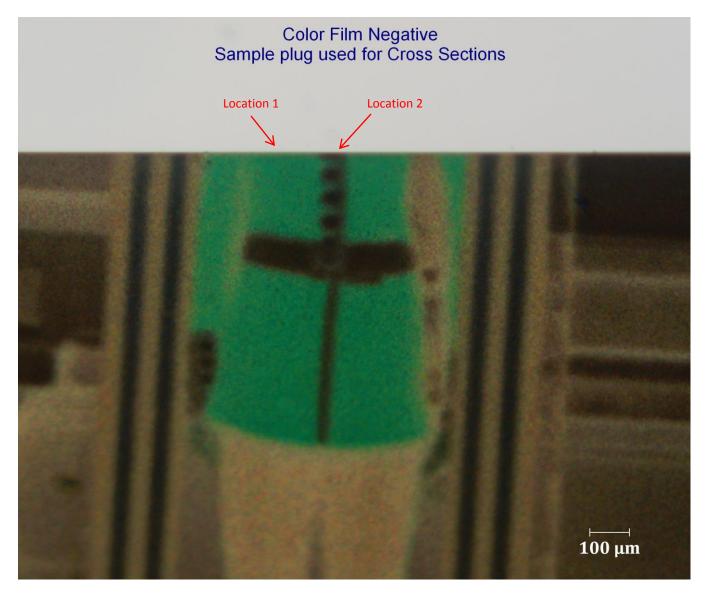
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Case Study: Cross section of Silver Halide based Color Negative Photographic Film and Color Paper.

The film was cross sectioned using a Leica 2165 Microtome equipped with a stainless steel blade. The sample was sectioned at $4\mu m$ and placed in oil for unswollen sections and in Immu-Mount for the swollen sections.

The paper was prepared for cross sectioning by first removing the paper fiber base prior to sectioning. The sample was sectioned at $4\mu m$ and placed in oil for unswollen sections and in Immu-Mount for the swollen sections.

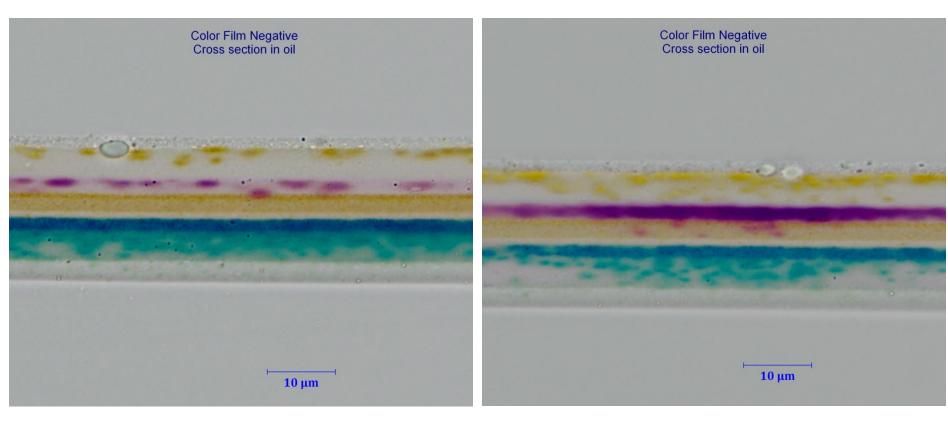
Color Negative Photographic Film



Sample plug Transmitted BF

Color Negative Photographic Film Unswollen Cross Section

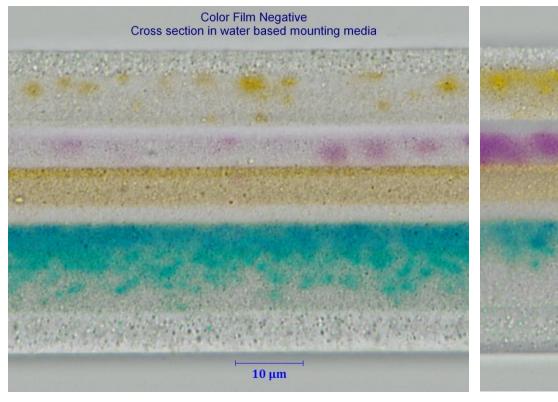
Location 1 Location 2

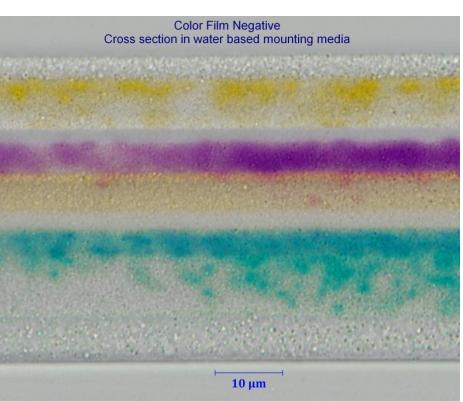


Transmitted BF Transmitted BF

Color Negative Photographic Film Swollen Cross Section

Location 1 Location 2





Transmitted BF

Transmitted BF

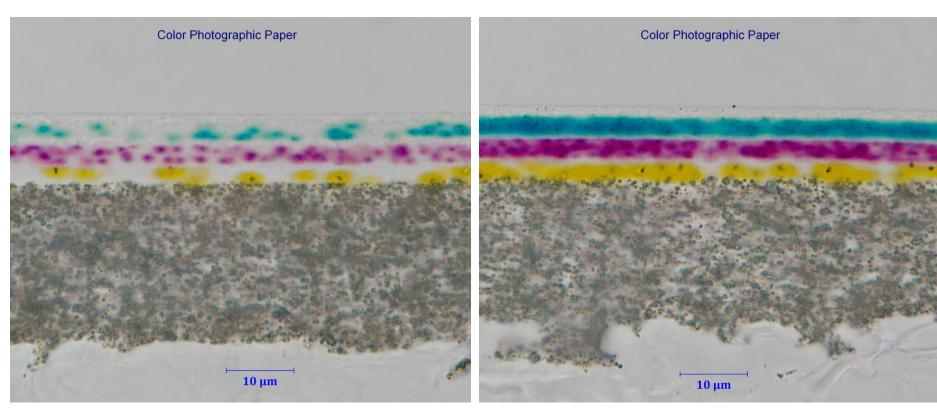
Color Photographic Paper



Sample plug Reflected BF

Color Photographic Paper Unswollen Cross Section

Location 1 Location 2

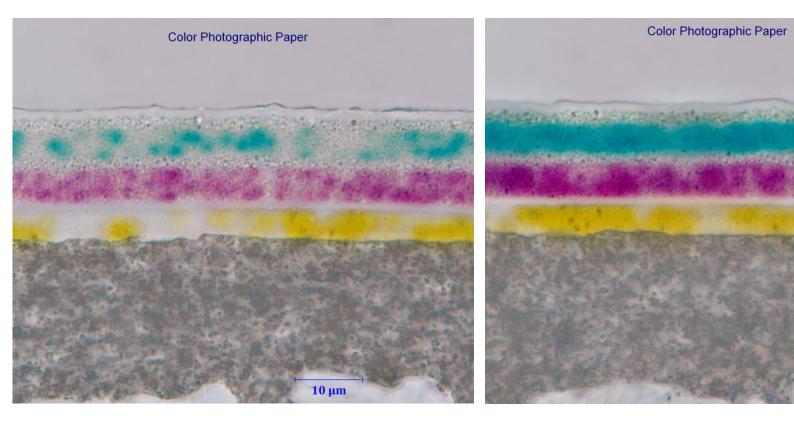


Transmitted BF

Transmitted BF

Color Photographic Paper Swollen Cross Section

Location 1 Location 2



Transmitted BF Transmitted BF

10 μm