heritage

Supplementary Material

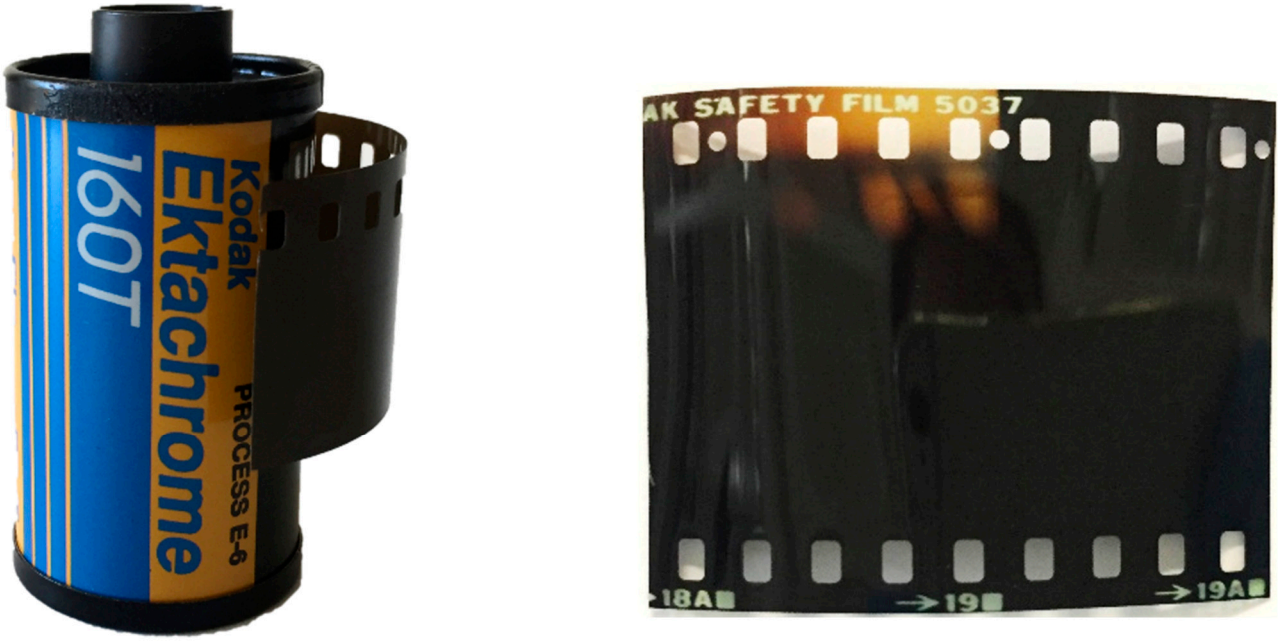

Figure S1. Ektachrome 160T Professional (EPT) found in Ângelo de Sousa's archive: unprocessed roll (**left**), and sample/film tip used for the investigation carried out within this study (**right**).

Figure S2. Fujichrome Provia 400X Professional (RXP) found in Ângelo de Sousa's archive: unprocessed roll (**left**), and commercial box where the expiration date is visible (**right**).

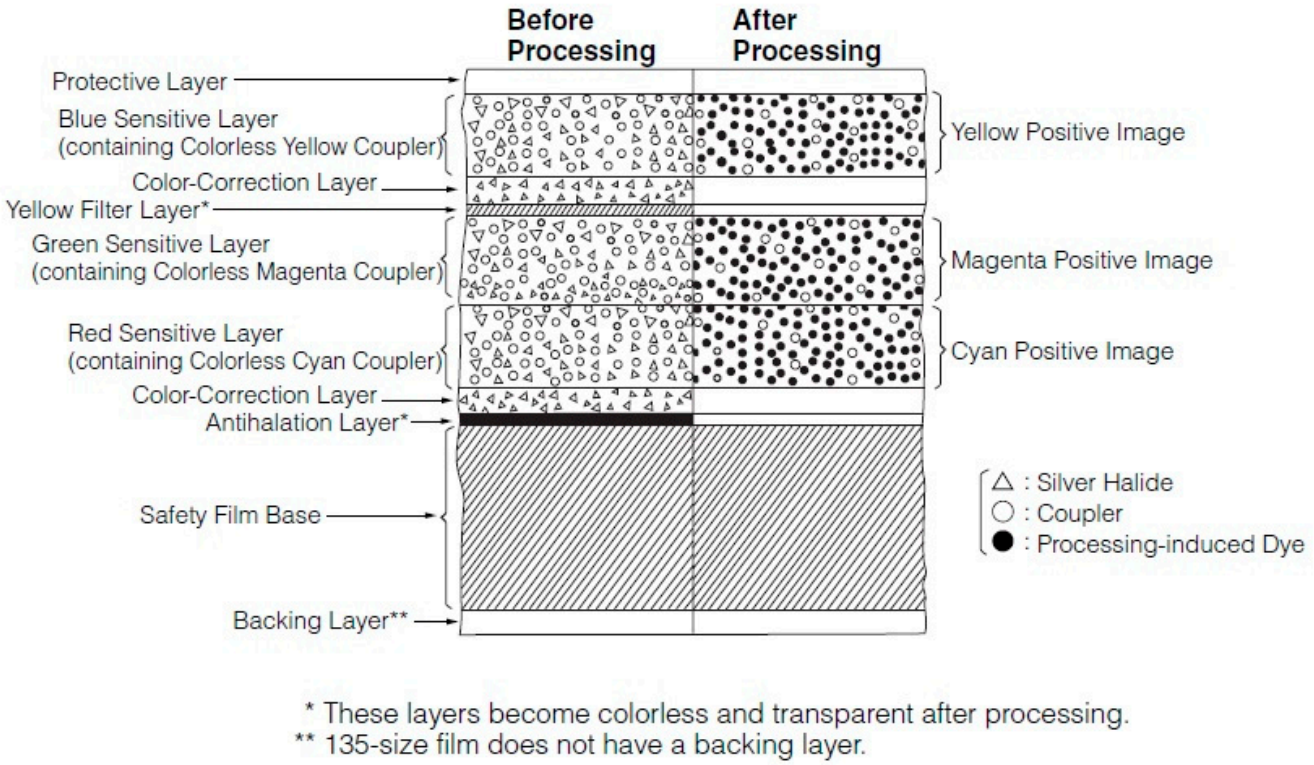

Figure S3. Schematic cross-section of Fujichrome Provia 400X Professional (RXP) (data sheet from the manufacturer).

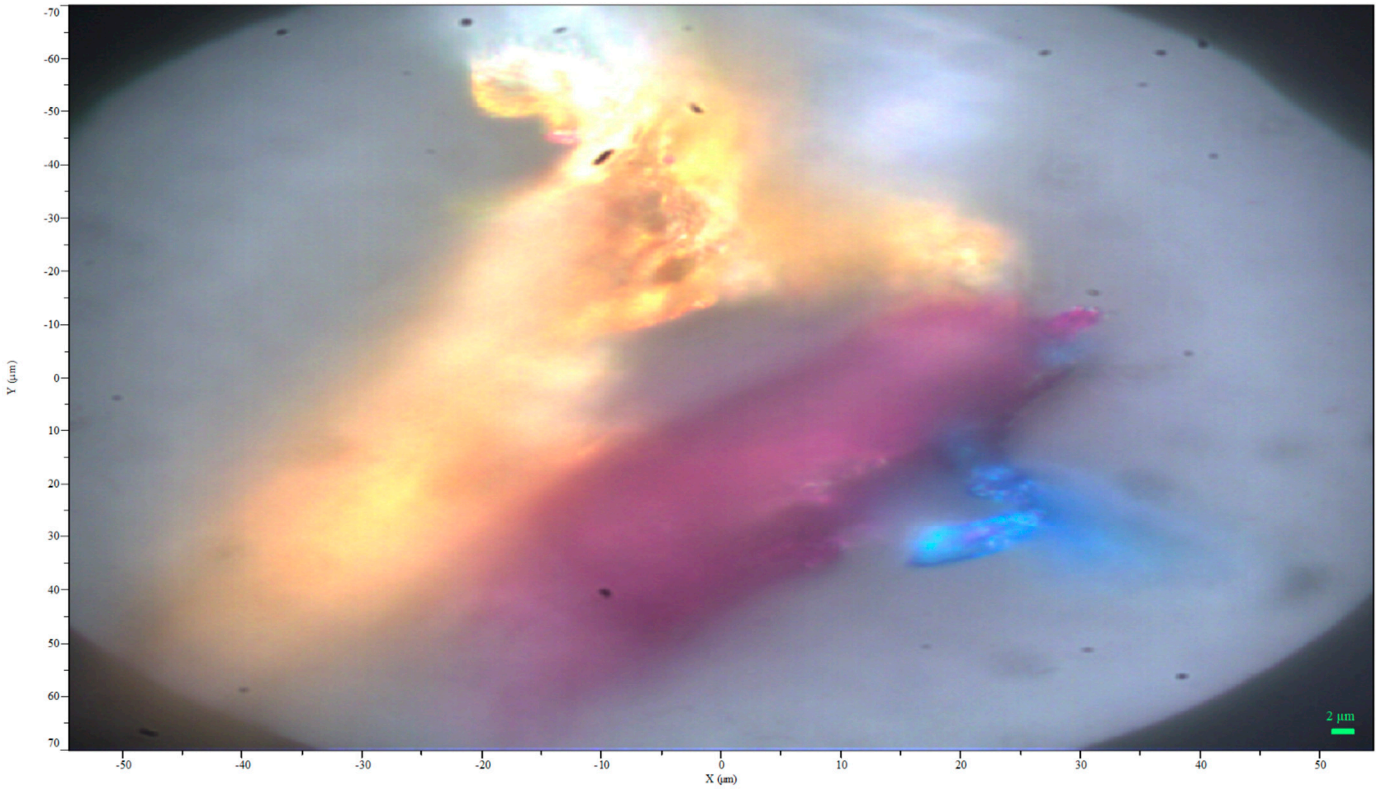

Figure S4. Microscopy image of a micro-sample collected from Ektachrome 160T Professional (EPT) for analysis with Raman spectroscopy, where yellow, magenta and cyan layers are discernible.

Table S1. Absorbance maximum (λ_{max}) and retention times (R_t) of dyes extracted from Ektachrome 160T Professional (EPT) and Fujichrome Provia 400X Professional (RXP).

	Cyan		Magenta		Yellow	
	λ_{max} (nm)	**R_t (min)**	**λ_{max} (nm)**	**R_t (min)**	**λ_{max} (nm)**	**R_t (min)**
EPT	663	31.83	551	31.23	442	31.98
RXP	651	33.32	546 551	33.45 37.04	451	33.93