

Color Negative Film Which Was the World's First to Feature a Fourth Color-sensitive Layer

Registration No.	Number 00229		
Registration Date	September 12, 2017	Registration Category	Category 1
Name (Model, etc.)	FUJICOLOR REALA		
Location	Minami ashigara, Kanagawa		
	FUJIFILM Corporation		
Owner (Custodian)	FUJIFILM Corporation		
Manufacturer (Company)	Fuji Photo Film Co., Ltd. (now FUJIFILM Corporation)		
Year Manufactured	1989		
Year first appeared	1989		
Reason For Selection	This color negative film featuring Fujifilm's "4th Color Layer" emulsion technology dramatically enhances reproduction of color. Before the advent of this film, it had been difficult for photographers to strike a balance in photo quality in that, for instance, enhancing color saturation would diminish color fidelity when using previously available films featuring the three color-sensitive layers of red, green and blue. Development of the fourth color-sensitive layer represents the culmination of research into areas that include theories of photo response functions of the human eye. Whereas making the new color-sensitive layer a reality posed issues such as those involving diminished sensitivity and inter-layer effects, the new layer finally came into being thanks to the development of various new materials and technologies. This film is deemed historically significant given that it represents the advent of innovative technologies that originated in Japan. Accordingly, this film made it possible for photographers to faithfully render purple flowers and subtle tones of fabrics which had previously been difficult to capture, while maintaining vivid colors of images.		
Registration Standard	1-A (Show an important aspect or stage of the development of science and technology.)		
Open/Closed to Public	Open to Public		
Photo			
Other useful information			