

13194 Fluorescence Red Mega 490

Application

Fluorescent red Mega 490 and other Mega dyes are specifically designed for multicolour techniques. It is characterized by an extremely large stoke's shift between excitation and emission maxima. This dye is especially well suited for excitation by argon lasers or other short wavelength excitation light. This also means, that it can be excited with the same light source or filter arrangement than fluorescein and other widely used dyes as well as other Mega dye. Due to the different emission wavelength several different labels can be detected independently in the same experiment. Due to the small size of the Mega-labels and the direct conversion of excitation light into emission without using a FRET mechanism we foresee a variety of possible applications including DNA sequencing and FISH microscopy.

Product Description

MW	536.6g/Mol
ϵ	27.000
Abs. max.:	486nm(H ₂ O)
Em. max.:	556nm(H ₂ O)
Quantity	1 mg

Fluorescence spectra

