

Introducing dual fluorescent, '*ph probes*'



FITC-TRITC-dextran (FTD) 500

$$\lambda_{\text{ex}} = 493/550\text{nm}$$

$$\lambda_{\text{fl}} = 517/575\text{nm}$$



FITC-Antonia Red-dextran (FARD) 20

$$\lambda_{\text{ex}} = 493/585\text{nm}$$

$$\lambda_{\text{fl}} = 517/600\text{nm}$$

- FITC: pH dependent behaviour (pH range: 3.5-8.0)
TRITC and AR: pH independent behaviour
- Strong green fluorescence at basic pH
- Highly soluble in water and DMSO

Excellent for accurate determination and monitoring of pH in living cells and tissues

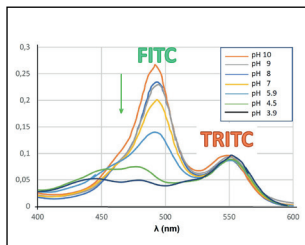


Fig 1. UV-Visible spectra depicting the dependence of two visible features of FTD upon varying pH

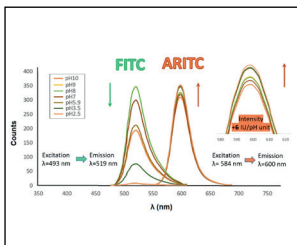


Fig 2. UV-Visible spectra depicting the dependence of two visible features of FARD upon varying pH

All the three fluorophores; FITC, TRITC and AR are well-studied, and they exhibit bright stable fluorescence which renders them suitable for a variety of applications in intravital microscopy, fluorescence imaging, etc.

How to order

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SAPPHIRE
NORTH AMERICA

Ann Arbor, MI
Phone: 855-256-9433
Email: custserv@sapphirebioscience-na.com
www.sapphire-usa.com