

General Data

Molecular Mass: ~ 246 kDa (average)

Form: Supplied in 150 mM phosphate buffer pH 7.4 containing < 0.1% sodium azide

Storage: Store in absence of light at +4°C. Do not freeze.

Description

- **Seta-R-PE-670** is an extremely bright and photostable tandem conjugate between R-PE and a red-emitting Seta dye.
- Comparable tandems: PE–Cy5, PE–Alexa 647.

Applications

- Flow Cytometry
- Immunofluorescence

Advantages

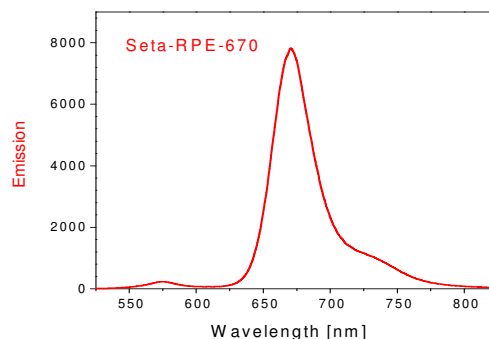
- Perfectly suited for excitation with the 488 nm and 532 nm diode laser
- High photostability compared to PE-Cy5 tandem
- Extremely bright – **Seta-R-PE-670** tandems yield brighter antibody conjugates compared to PE-Cy5 tandems
- Low unspecific staining

Spectral Data

Solvent System: phosphate buffer pH 7.4

| Sample | Absorption max. [nm] | Extinction Coefficient at 566 nm [$M^{-1}\cdot cm^{-1}$] | Absorption max. [nm] | Extinction Coefficient at 653 nm [$M^{-1}\cdot cm^{-1}$] | Emission ¹ max. [nm] |
|----------------------|----------------------|--|----------------------|--|---------------------------------|
| Seta-R-PE-670 | 488 | 1.22×10^6 | 653 | $1.26\text{--}1.38 \times 10^6$ | 670 |

¹ Excitation at 488 nm



Emission spectrum of **Seta-R-PE-670** in phosphate buffer, pH 7.4 (Excitation at 488 nm)

Storage and Guarantee

This product should be stored in absence of light at +4 °C. This product is guaranteed to be stable for 6 months from the date of purchase. Prepare the tandem-stock solution for labeling shortly before use. Do not expose dye solutions for an extended period of time (hours) to light.