

Technical Data Sheet

Flogen[®] R-PE (R-Phycoerythrin)

<u>Specification</u>	Purity	A566/A280 ≥ 5.5 A566/A498 ≤ 1.5
	Impurity	A620/A566 ≤ 0.005

<u>Property</u>	Molecular Weight	240 kDa
	Absorption Maximum	566 nm
	Emission Maximum	575 nm
	Extinction Coefficient	$1.96 \times 10^6 \text{ cm}^{-1} \text{ M}^{-1}$
	Quantum Yield	0.84

Description **Flogen[®]** R-PE is a phycobiliprotein purified from Febico's proprietary red algae. It is made up of (αβ)₆γ subunit structure. **Flogen[®]** R-PE is supplied in 100 mM Potassium Phosphate buffer, pH7.0 with 60% Saturated (NH₄)₂SO₄, 1 mM EDTA and 1 mM Sodium Azide.

Instruction Mix thoroughly **Flogen[®]** R-PE until no precipitate is observed to get homogeneous solution. Further removal all the remaining ammonium sulfate and buffer exchange to the conjugation buffer.

Storage/Usage Store **Flogen[®]** R-PE in dark at 2~8°C. **Do not** freeze. For research or further manufacturing use only.

Excitation and Emission Spectra

