

Technical Data Sheet

Flogen[®] B-PE (B-Phycoerythrin)

<u>Specification</u>	Purity	A545/A280 ≥ 5.5
	Impurity	A620/A545 ≤ 0.005

<u>Property</u>	Molecular Weight	240 kDa
	Absorption Maximum	545 nm
	Emission Maximum	575 nm
	Extinction Coefficient	2.41 × 10 ⁶ cm ⁻¹ M ⁻¹
	Quantum Yield	0.98

Description **Flogen[®] B-PE** is a phycobiliprotein isolated from our proprietary red algae. It is made up of (αβ)₆γ subunit structure. **Flogen[®] B-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[®] B-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

