

Technical Data Sheet

Flogen[®] C-PC (C-Phycocyanin)

<u>Specification</u>	Purity	A620/A280 ≥ 4.0 A651/A620 ≤ 0.3
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<u>Property</u>	Molecular Weight	242 kDa
	Absorption Maximum	620 nm
	Emission Maximum	642 nm
	Extinction Coefficient	$1.54 \times 10^6 \text{ cm}^{-1} \text{ M}^{-1}$
	Quantum Yield	0.81

Description **Flogen[®] CPC** is a phycobiliprotein purified from Febico's proprietary algae, made of $(\alpha\beta)_6$ subunit structure, and supplied in 100 mM Potassium Phosphate buffer, pH7.0 with 60 % saturated $(\text{NH}_4)_2\text{SO}_4$, 1 mM EDTA and 1 mM sodium azide.

Instruction Mix thoroughly **Flogen[®] CPC** 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[®] CPC** in dark at 2~8°C. **Do not** freeze. For research or further manufacturing use only.

Excitation and Emission Spectra

