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B-PE (B-Phycoerythrin)

Cat #	FD-2551	Unit Size	1 mg
MW			
Ex (nm)	545	Em (nm)	575
Solvent	water	Storage	F/D/L

B-Phycoerythrin (B-PE) has three absorption bands with absorption maximum at 545 nm. The subunit structure of B-PE is similar to that of R-PE, but the chromophore content of the subunits differs, causing the difference in the relative intensities of the absorption peaks: ? and ? subunits contain only PEB while ? subunit contains PEB and PUB. B-PE is found both in cyanobacteria and red algae. By eye, the intense pink color and orange fluorescence of B-PE are virtually indistinguishable from those of R-PE. Allophycocyanin is the least stable among the major phycobiliproteins, susceptible to dissociation at low concentrations including concentrations at which some assays are performed. For this reason, many researchers prefer to use CL-APC that is chemically cross-linked between ? and ? subunits, and is much more stable than APC.