

**SECTION 1: PRODUCT IDENTIFICATION**

PRODUCT NAME	Fluodyn™ B-PHYCOERYTHRIN Precipitated PureGrade
CATALOG No.	BPE-PPG-1005M, BPE-PPG-1010M, BPE-PPG-1050M, BPE-PPG-1100M
STORAGE BUFFER	Suspended in 60% Ammonium Sulfate, 50 mM Sodium Phosphate, 0.1 mM EDTA, 0.1 mM Sodium Azide (pH 7.0)
COMPOSITION	1 Vial and a 1,5mL or a 50mL Quick Desalting System (QDS)
STORAGE	Store at 4°C in the dark. DO NOT FREEZE
STABILITY	When stored properly, the product is stable for at least 1 year.

SECTION 2: HOW TO USE**Step 1: How to establish quantity**

Select desired quantity using following formula.

$$V = (1.1 \times Q) / C$$

Where *V* is volume to take in the vial in mL
Q is the desired quantity in mg
C is the lot concentration in mg/ml (Refer to the Certificate of Analysis provided with the Lot)

Step 2: How to reconstitute

Precipitated proteins have to be shaken before pipetting.

All Fluodyn™ precipitated Phycobiliprotein are provided with Quick Desalting System (QDS).

Procedure for BPE-PPG-1005M, BPE-PPG-1010M

Those products are provided with 1,5mL centrifuge tube.

Fill the sample reservoir with desired quantity of B-Phycoerythrin, add max. 500µL at once.

Centrifuge for 10 minutes at 10 000g at room temperature, a longer centrifugation time is recommended if the volume in the sample reservoir is > 100µL.

Discard the filtrate present in the filtrate receiver, Fill sample reservoir with buffer of your choice. Centrifuge for 10 minutes at 10 000g at room temperature.

Repeat previous step.

B-Phycoerythrin is present in the sample reservoir and is ready to use.

Procedure for BPE-PPG-1050M, BPE-PPG-1100M

Those products are provided with 50mL centrifuge tube.

Fill the sample reservoir with desired quantity of B-Phycoerythrin, add max. 20mL at once.

Centrifuge for 10 minutes at 10 000g at room temperature, a longer centrifugation time is recommended if the volume in the sample reservoir is > 4mL.

Discard the filtrate present in the filtrate receiver, Fill sample reservoir with buffer of your choice. Centrifuge for 10 minutes at 10 000g at room temperature.

Repeat previous step.

B-Phycoerythrin is present in the sample reservoir and is ready to use.

For in vitro research use only. Not for diagnostic or therapeutic procedures.