SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME	*Fluodyn™ B-PHYCOERYTHRIN Labeling Kit*
CATALOG No.	*BPE-KPG-1100U*
LABELING ABILITY	*This kit is specially designed to label 100µg of IgG Antibody*
COMPOSITION	*The kit is composed by four reactive vials denominated with letters A, B, C, D and a 500µL spin column*
STORAGE	*Store at 4°C in the dark. DO NOT FREEZE*

SECTION 2: HOW TO USE

Step 1: Antibody preparation

Antibody minimal concentration is 0.2mg/mL*
Put 100µg of antibody in the top of the spin column
Centrifuge for 5 minutes at 10 000g at room temperature
Discard the filtrate in the bottom of the spin column
Add 300µL of vial A solution into the spin column
Centrifuge for 5 minutes at 10 000g at room temperature
Discard the filtrate in the bottom of the spin column

Step 2: Antibody activation

Add 500µL of vial A solution to vial B
Stir gently until dissolution of the powder
Put 5 µL of vial B solution into the spin column
Incubate in the dark at room for 30 minutes under agitation
Centrifuge for 5 minutes at 10 000g at room temperature
Discard the filtrate in the bottom of the spin column
Wash column with 300µL of vial A solution
Centrifuge for 5 minutes at 10 000g at room temperature
Discard the filtrate in the bottom of the spin column, repeat the washing

Step 3: Labeling

Add 150µL of vial A solution to vial C
Stir gently until dissolution of the powder
Put vial C solution into the top of the spin column
Incubate in the dark at room temperature for 2 hours under agitation

Step 4: Quenching

Add 500µL of vial A solution to vial D
Stir gently until dissolution of the powder
Put 5 µL of vial D solution into the top of the spin column
Incubate for 15 minutes at room temperature in the dark
Centrifuge for 5 minutes at 10 000g at room temperature
Discard the filtrate in the bottom of the spin column

Step 5: Finalization

Wash column with final buffer of your choice.
Centrifuge for 10 minutes at 10 000g at room temperature, a longer centrifugation time is recommended if the volume on the top of the spin column is > 100µL
Discard the filtrate in the bottom of the spin column, repeat washing
As desired, it is possible to repeat step 5

Labeled antibodies are present in the top of the spin column, dissolve them into final buffer of your choice, labelled antibodies are ready to use.

Storage: 4°C in the dark with preservative as sodium azide (0.1%). High concentration (> 1mg/mL) is recommended for optimal stability.
Never freeze the conjugates.

*If starting concentration is < 2 mg/ml, use the spin column to concentrate your sample.

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

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MAN-BPE-KPG-1100U-EN, v01, Red: EAP, App: PST; 23/07/15