

**SECTION 1: PRODUCT IDENTIFICATION**

PRODUCT NAME	<i>Fludyn™ B-PHYCOERYTHRIN Labeling Kit</i>
CATALOG No.	<i>BPE-KPG-1200U</i>
LABELING ABILITY	<i>This kit is specially designed to label 200µg of IgG Antibody</i>
COMPOSITION	<i>The kit is composed by four reactive vials denominated with letters A, B, C, D and a 500µL spin column</i>
STORAGE	<i>Store at 4°C in the dark. DO NOT FREEZE</i>

**SECTION 2: HOW TO USE****Step 1: Antibody preparation**

Antibody minimal concentration is 0.4mg/mL\*  
Put 200µg 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 10 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 10 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.**