



26 August 2015

INTERCHANGEABILITY OF GKK-804 AND GKK-404

Dear Customer,

You requested verification of the interchangeability of the GKK-804 Signal™ 2-AB-*plus* Labeling Kit and the GKK-404 Signal™ 2-AB Labeling Kit. These kits are indeed interchangeable.

The GKK-404 kit is made of 4 components in ampules: 2-AB Dye, DMSO, Acetic Acid and Reductant. Customers are required to add the Acetic Acid to the DMSO and mix. A portion of the mixture is then added to the 2-AB Dye and mixed. That mixture is then added to the Reductant to make the Labeling Reagent.

To improve the workflow and to eliminate the ampules, we developed the GKK-804 kit, formulating the 4 components from the GKK-404 into 2 liquid solutions in vials, the 2-AB Solution and the Reductant Solution. The 2 Solutions are mixed in equal amounts to make the 2-AB Labeling Reagent.

After combining the reagents as directed, the final formulation of the 2-AB Labeling Reagent is the same for both the GKK-404 and the GKK-804. The chemistry is the same. Therefore, either kit can be used in your method.

Thank you for your interest in ProZyme products. Let us know if you have any additional questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "Susan C. Fuller".

Susan C. Fuller
Director of Quality Systems