

His Buffer Kit

Product Information

Cat#No# Hi-397C

Product Overview

His Buffer Kit contains carefully prepared buffer concentrates for binding, washing, and elution of histidine-tagged proteins according to recommended protocols.

Description

His Buffer Kit is intended for research use only, and should not be used in any clinical or in vitro procedures for diagnostic purposes.

Applications

His Buffer Kit can be used in combination with a number of column types, such as His SpinTrap, His MultiTrap FF, His MultiTrap HP, His GraviTrap, HisTrap FF, HisTrap FF crude and HisTrap HP.

Storage

4–30°C

Elution buffer

The optimum imidazole concentration in the elution buffer is the one that elutes the histidine-tagged protein completely. 500 mM imidazole can be used for elution in most cases.

Binding

1. Prepare a number of buffers with increasing concentrations of imidazole.
 2. Equilibrate the column with 10 column volumes binding buffer containing the lowest selected concentration.
 3. Apply the sample and collect the flow-through fraction.
 4. Wash with 15 column volumes binding buffer and collect the wash fractions.
 5. Add 5 column volumes buffer containing the next higher concentration of imidazole and collect the flowthrough fraction.
 6. Continue stepwise elution with 5 column volumes of higher and higher imidazole concentrations.
 7. Determine purity of the collected fractions.
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Pack size

His Buffer Kit

1 kit

Kit contents

Phosphate buffer 8 x stock solution, pH 7.4 (160 mM sodium phosphate, 4 M NaCl). Volume 2 x 100 ml.
2 M imidazole, pH 7.4. Volume 1 x 100 ml.
