Certificate of Analysis

His60 Ni Superflow Cartridges

Table of Contents

Catalog No.	Amount	Lot Number
635680	1 x 5 ml cartridge	Specified on product label.
635679	5 x 5 ml cartridges	Specified on product label.

Description

Prepacked cartridges, each containing 5 ml of His60 Ni Superflow Resin, for the purification of recombinant his-tagged proteins. These cartridges are suitable for automated purification using medium-pressure systems such as ÄKTA FPLC or manual, syringe-based purification. Proteins can be purified under native or denaturing conditions. Each column can be reused up to 5 times to purify different preparations of the same protein.

Package Contents

635680: His60 Ni Superflow Cartridge (1 x 5 ml cartridge)

- 1 His60 Ni Superflow Cartridge (5 ml each)
- 1 Top Cap
- 1 Snap-off End Cap

635679: His60 Ni Superflow Cartridges (5 x 5 ml cartridges)

- 5 His60 Ni Superflow Cartridges (5 ml each)
- 5 Top Caps
- 5 Snap-off End Caps

Storage Conditions

- Store all components at 4°C.

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Storage Buffer

- Nonbuffered 20% ethanol

Shipping Conditions

- Room temperature

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(030212)

Product Documents

Documents for Clontech products are available for download at www.clontech.com/manuals.
The following document applies to this product:

- His60 Ni Superflow Cartridges User Manual (PT5143-1)

Quality Control Data

- **Metal loading analysis:**
  Each lot of His60 Ni Superflow Cartridges is guaranteed to have a nickel metal loading of ≥25 µmol/ml of bed volume. The amount of bound nickel is determined by atomic spectroscopy.

- **Functional test:**
  The His60 Ni Superflow Resin in the His60 Ni Superflow Cartridges was functionally tested using his-tagged GFPuv and the His60 Ni Buffer Set (Cat. No. 635665). One ml of His60 Ni Superflow Resin was saturated with a bacterial his-tagged GFPuv lysate in xTractor Buffer. The resin was washed two times with 5 ml of His60 Ni Equilibration Buffer (pH 7.4) and then two times with 5 ml of Wash Buffer (pH 7.4). Bound protein was eluted three times with 1 ml of His60 Ni Elution Buffer (pH 7.4). All eluted fractions were analyzed by electrophoresis on a 12% SDS polyacrylamide gel to verify the purity of the eluted protein. A strong his-tagged GFPuv protein band was evident in at least one lane containing eluted sample.

Notice to Purchaser

His60 Ni Superflow Cartridges

CATALOG NO.

635679

635680

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