

**PRODUCT: Thiophilic-Superflow Resin**

<b>CATALOG No.</b>	<b>AMOUNT</b>
635616	10 ml
635617	100 ml

**LOT NUMBER**

Specified on product label.

**STORAGE BUFFER**

Nonbuffered 20% ethanol slurry

**STORAGE CONDITIONS**

Store at 4°C.

**SHELF LIFE**

1 year from date of receipt under proper storage conditions.

**SHIPPING CONDITIONS**

Room temperature

**DESCRIPTION**

Thiophilic-Superflow Resin is an adsorbent for large scale or FLPC purification of various proteins including IgG, IgM, IgY, and IgE antibodies. Superflow allows for flow rates of as high as 5 ml/cm<sup>2</sup> min.

**PACKAGE CONTENTS**

- Thiophilic-Superflow Resin

**PRODUCT USER MANUAL**

User manuals for Clontech products are available for download at [www.clontech.com/manuals](http://www.clontech.com/manuals). The following user manual applies to this product:

- Thiophilic Resin User Manual (PT3309-1)

**FOR RESEARCH USE ONLY****QUALITY CONTROL DATA****Thiophilic-Superflow binding capacity**

Each lot of Thiophilic-Superflow Resin is guaranteed to have a minimum IgG binding capacity of 15 mg/ml of settled resin.

**Test conditions**

200 µl of Thiophilic-Superflow Resin was equilibrated with ≥10 bed volumes of 50 mM sodium phosphate; 0.5 M sodium sulfate (pH 7.0). 1.0 ml of rabbit serum, saturated with sodium sulfate, was incubated with the resin. The adsorbent was washed four times with 5 ml of the equilibration buffer. Adsorbed IgG was eluted three times with 1.0 ml of 50 mM sodium phosphate (pH 7.0). Protein recovery was determined using a Pierce BCA Protein Assay (Cat. No. 23225), and the purity of the eluted protein was assessed by analytical size exclusion chromatography using a Superose 6 HR 10/30 column (Pharmacia) and 50 mM MOPS; 0.25 M NaCl (pH 7.0).


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## Thiophilic-Superflow Resin

### CATALOG NO.

635616

635617

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