

## Thiophilic-Superflow Resin

Catalog Nos.	Amount	Lot Number
635616	10 ml	Specified on product label.
635617	100 ml	Specified on product label.

### 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

<u>635616</u>	<u>635617</u>	
10 ml	100 ml	Thiophilic-Superflow Resin

### Storage Conditions

- Store at 4°C.

### Expiration Date

- Specified on product label.

### Storage Buffer

- Nonbuffered 20% ethanol slurry

### Shipping Conditions

- Room temperature

### Product Documents

Documents for our products are available for download at [takarabio.com/manuals](http://takarabio.com/manuals)

The following documents apply to this product:

- Thiophilic Resin User Manual

## 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 (Thermo Fisher Scientific, Cat. No. 23225), and the purity of the eluted protein was assessed by analytical size exclusion chromatography using Superdex 200 Increase prepacked columns and 50 mM MOPS; 0.25 M NaCl (pH 7.0).

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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#### Takara Bio USA, Inc.

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## Thiophilic-Superflow Resin

### CATALOG NOS.

635616 & 635617

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