

# Ex-Pure Syringe ProA /ProG Care and Use Manual

Thank you for purchasing GL Sciences Ex-Pure Syringe ProA, Ex-Pure Syringe ProG.

The Ex-Pure Syringe ProA/ProG is a monolithic spin column chemically bonded with ProteinA or ProteinG, which is ideal for purification of IgG. This spin column can be used in a wide range of applications such as sample preparation for pharmaceutical or biochemical samples. To maintain optimum performance, read the following instructions before use.

## 1. Unpacking

- o Check for damage or missing parts.

Cat.No.	Ex-Pure Syringe ProA: EY-A02 Ex-Pure Syringe ProG: EY-G02
Spin Column	4 pcs
Adapta	4 pcs
Manual	1 pcs

## 2. Cautions

**Please note the following when using Ex-Pure series.**

- o Do not drop or bump the spin columns. Subjecting the spin columns to shocks may cause the monolithic silica gel to break.
- o Use the spin column after I ascertain not to touch a lid of the equipment.

## 3. Specification

Functional group	Ex-Pure Syringe ProA : ProteinA, Ex-Pure Syringe ProG : ProteinG
Sample volume	0.5 ~ 8mL
Binding capacity	Ex-Pure Syringe ProA : 16mg of human IgG Ex-Pure Syringe ProG : 12mg of human IgG

## 4 . Typical Procedure

Additional Materials Required

- Binding buffer: 50mM Sodium Phosphate buffer + 150mM NaCl(pH7.0)
- Washing buffer: 50mM Sodium Phosphate buffer + 1M NaCl(pH7.0) )
- Elution buffer-A: 100mM glycine-HCl buffer(pH3.5)
- Elution buffer-G : 100mM glycine-HCl buffer(pH2.5)

In case of Ex-Pure Syringe ProA: Elution buffer-A Ex-Pure Syringe ProG:Elution buffer-G

- Regeneration buffer: 100mM glycine-HCl buffer(pH2.5)
- Neutralizing buffer : 1M Tris-HCl buffer (pH 8.5) or 1M Sodium Phosphate buffer(pH8.0)
- Storage Solution: 20% ethanol
- 50mL collection tubes

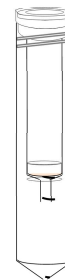
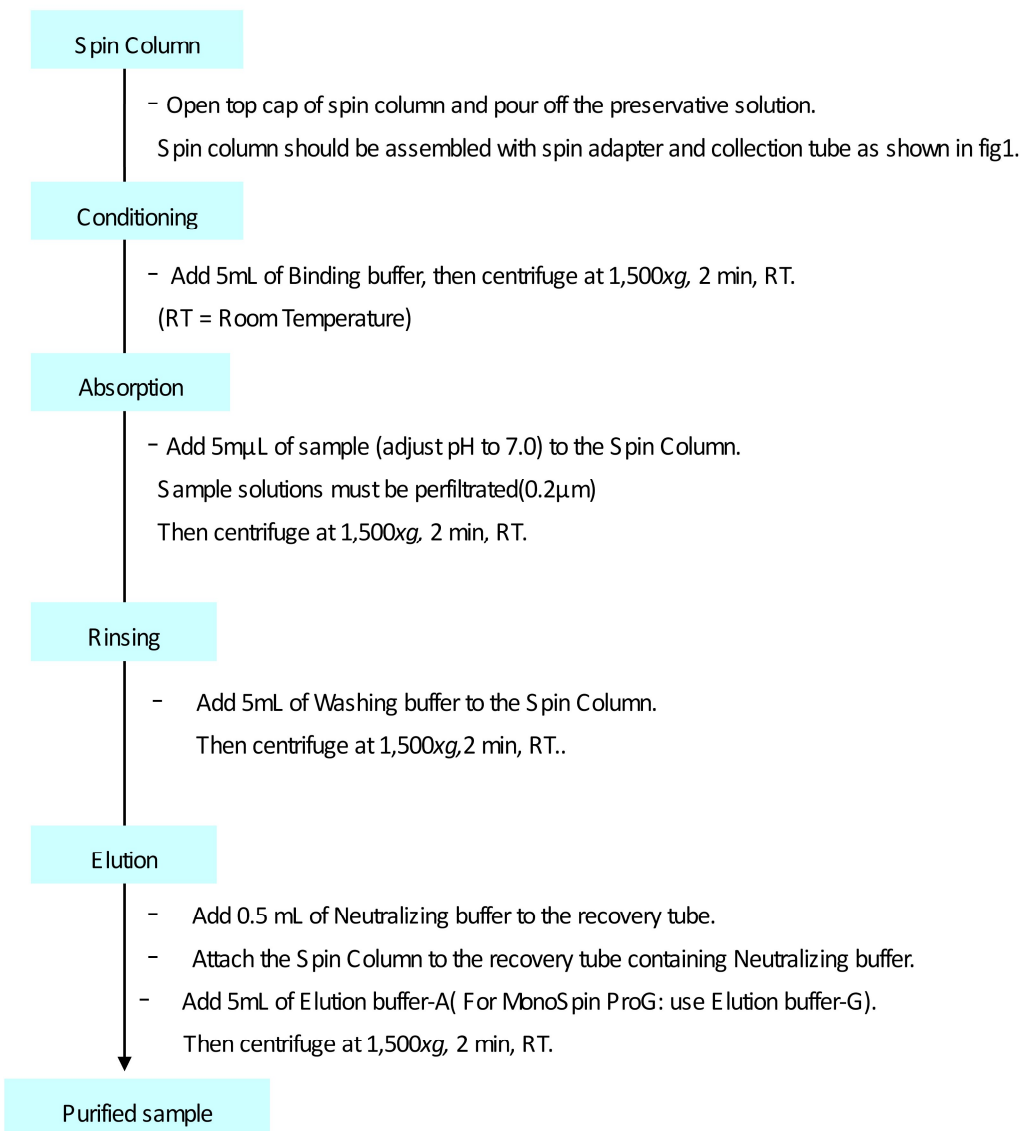


Fig.1 Assembly of column, adapter and collection tube.

## 5. Regeneration Method of Spin column and Storing Conditions

To regenerate the spin column, add 5mL of Regeneration buffer and centrifuge for 2min. Then add of 5mL of 20% ethanol and centrifuge for 2 min. Add 5mL of 20% ethanol and store column at 4°C. Do not allow the resin (silica monolith) to dry. Otherwise, the performance and quality of spin column may be deteriorated.

Ex-Pure Syringe ProA/ProG is manufactured, inspected, packed and shipped under our strict standards of quality control. Please contact us if you find any problems with the performance of the product.

This product is manufactured for research purposes. We do no guarantee usage for purposes other than research or uses other than those described in the operations manual.

" Based on monolithic technology, Merck KGaA, Darmstadt, Germany "

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