



**Europa Bioproducts Ltd**

15-17 North Street • Wicken  
Ely • Cambridge • CB7 5XW  
Tel: 0044 (0)1353-721118  
Fax: 0044 (0)1353-624589

## IgG Purification Kit-G

Item #      Unit Size  
AP02-10    1 set



**All processes take place in one tube Purity  
of the IgG from serum is over 80% Purified  
IgG is available in 30 minutes High  
reproducibility and no affinity loss**

### Kit content

AP02-10

Protein G Cartridge tube	1 tube
Washing Buffer	13 ml x 1 bottle
Elution Buffer	1.8 ml x 1 tube
Catching Buffer	1 ml x 1 tube
1.5 mL Microtube	5 tubes x 2

**Storage Condition :** 0-5°C

**Shipping Condition :** ambient temperature

### Required Equipment and Materials

Microcentrifuge, 100-200 µl adjustable pipettes, voltex mixer, 0.5 ml microtubes

### Product Description

IgG Purification Kits are used for isolation and purification of immunoglobulin G of goat, mouse, rabbit, and other animals. The kit contains immobilized protein A or G and buffer solutions for maximum recovery of IgG. The total time to isolate and purify IgG from serum or other solutions containing IgG is about 30 min (Fig. 1). Since the support of protein A or G is silica-base gel, the volume of the retained solution on the gel after the centrifugation is very small. Therefore, all proteins or other materials that do not bind to protein A can be removed by washing twice. SDS-PAGE of purified IgG from various animals are shown in Fig. 2. Additionally, denaturing of IgG during the elution process is minimal because IgGs bound to the gel are released with a very quick process. The gel in this kit can be used repeatedly 20 times or more with an equal performance. Used gel is also stable for one year in washing buffer at 0-5°C.

E.mail: [info@europa-bioproducts.com](mailto:info@europa-bioproducts.com)

**Web site:** <http://www.europa-bioproducts.com>

Registered Office: 15-17 North Street, Wicken, Ely, Cambridgeshire CB7 5XW

Registered Number: 2703381

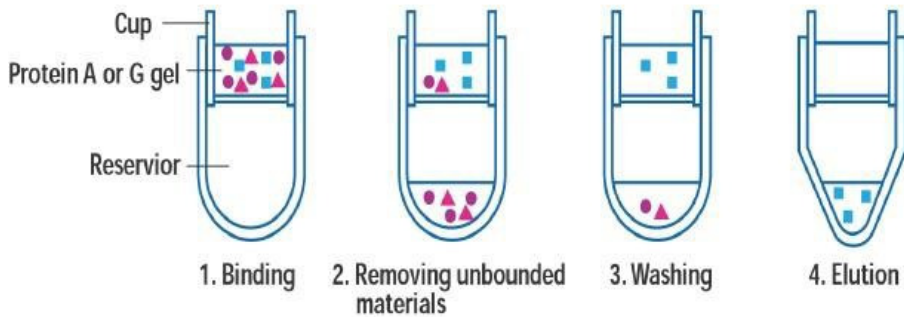


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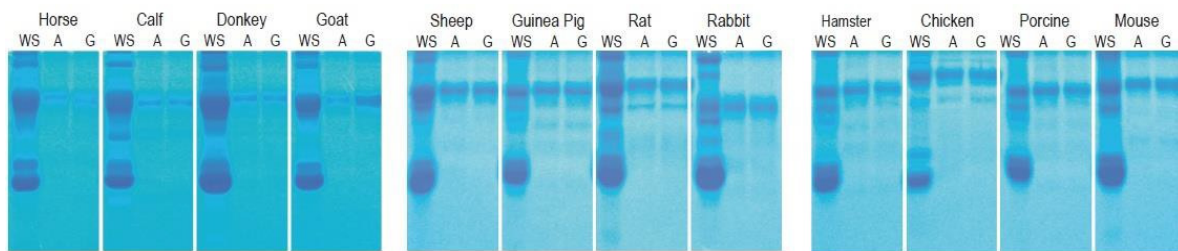


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immunoglobulin products Ltd  
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 Street • Wicken  
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 )1353-624589



**Fig. 1** IgG isolation process



**Fig. 2** SDS-PAGE of isolated immunoglobulin by using IgG Purification Purification Kit-A and Kit-G.

WS : Whole Serum

A : Prepared by IgG Purification Kit-A

G : Prepared by IgG Purification Kit-G

Condition: 6% acrylamide gel/Tris-glucine buffer

**Precaution**

If the IgG solution contains gelatin, before applying the solution to the kit, enzyme digestion may be required.



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