



IgGZERO®

Lyophilized

STORE AT

-20°C



FOR RESEARCH USE ONLY

Instructions for Use

IgGZERO® Lyophilized 1000 units (A0-IZ1-010)
Process 1 mg IgG

IgGZERO® Lyophilized 5000 units (A0-IZ1-050)
Process 5 mg IgG

IgGZERO® Low Endotoxin 2000 units (A0-IZ8-020)
Process 2 mg IgG



Preparations

Important Information

- For IgGZERO Low Endotoxin, use endotoxin-free materials and solutions.

Additional Materials Required

- Reaction buffer: 10 mM sodium phosphate or 10 mM Tris, 150 mM NaCl, pH 7.4 or similar physiological buffer.¹

1. Optimal enzymatic activity is obtained at physiological reaction conditions (i.e pH 7.4 and 37°C). Many buffers at pH between 6.0-8.0 can be used, but the reaction conditions need to be optimized.

Hydrolysis of Complex-type Fc N-glycans

Sample Preparation

Prepare the IgG in the reaction buffer. The final IgG concentration in the reaction should be 0.5-10 mg/ml.

1. Prepare IgGZERO

1.1 Reconstitute IgGZERO in ddH₂O according to Table 1.

2. Add IgGZERO

2.1 Add 1 unit IgGZERO / 1 µg IgG.

3. Enzymatic Reaction

3.1 Incubate for 30 min² at 37°C.

Table 1. Recommended Volumes for Reconstitution of the IgGZERO Enzyme

Product	Product Size	Reconstitution Volume
A0-IZ1-010	1000 units	50 µl
A0-IZ1-050	5000 units	250 µl
A0-IZ8-020	2000 units	100 µl (endotoxin-free)

2. An increased incubation time may improve deglycosylation of IgG from other species than human.

