



FabALACTICA®

Lyophilized

STORE AT

-20°C



FOR RESEARCH USE ONLY

Instructions for Use

FabALACTICA® Lyophilized 2000 units (A0-AG1-020)
Process 2 mg human IgG1



Preparations

Additional Materials Required

To ensure efficient digestion, it is important to use the recommended digestion buffer:

- Digestion buffer: 150mM sodium phosphate, pH 7.0.¹

Sample Preparation

Prepare human IgG1 in the digestion buffer. The final IgG concentration in the digestion reaction should be 0.5-10mg/ml.

1. Optimal activity is obtained in 100-150mM sodium phosphate buffers at pH 6.5-7.5. Sodium chloride up to 150mM can be added without affecting the enzyme activity.

Above Hinge Digestion of Human IgG1

1. Prepare FabALACTICA

- 1.1 Reconstitute FabALACTICA in 50 μ l ddH₂O to a concentration of 40 units/ μ l.²

2. Add FabALACTICA

- 2.1 Add 1 unit FabALACTICA / 1 μ g human IgG1.³

3. Digestion

- 3.1 Incubate overnight (16-18h) at 37°C.⁴

2. To prevent microbial contamination, sodium azide can be added to the solution to a final concentration of 0.02-0.05% (w/v).
3. A higher enzyme concentration may increase digestion efficiency of individual antibodies. This requires optimization.
4. Shorter incubation times (i. e. 3-6 hours) may be used if a lower digestion yield is acceptable.

