



FabDELLO™

Lyophilized

STORE AT

DIFFERENT
TEMPERATURES



FOR RESEARCH USE ONLY

Instructions for Use

FabDELLO Lyophilized 8 × 100 units (B1-BD1-008)
Process 8 × 100 µg hlgG1

FabDELLO Lyophilized 96 × 100 units (B1-BD1-096)
Process 96 × 100 µg hlgG1



Above Hinge Digestion of Human IgG1

PREPARATIONS

Additional Materials Required

- Digestion buffer: TBS (50 mM Tris-HCl, 150 mM NaCl), pH 7.6.

Sample Preparation

Prepare the human IgG1 in the digestion buffer.

The final IgG concentration in the digestion reaction should be 0.5-5 mg/ml.

WORKFLOW

1. Add IgG

- 1.1 Pierce the aluminum foil with a pipet tip.
- 1.2 Add 100 µg hIgG1 to the enzyme plate vial.¹

2. Add Buffer

- 2.1 Add digestion buffer to a total volume of 95 µl.^{2,3}

3. Add CaCl₂

- 3.1 Add 5 µl 20× CaCl₂ solution (200 mM).⁴

4. Digestion

- 4.1 Mix the solution by aspirating and dispensing the liquid a few times.
- 4.2 Cover the plate vial with adhesive plastic or move the content to another vial.
- 4.3 Incubate for 2 h at 37°C.⁵

1. The enzyme may also be dissolved in ultrapure water and added to a digestion in another vial if digestion of smaller amounts of hIgG1 is desired.
2. Optimal activity is achieved in TBS buffer pH 7.0-8.5. Buffers containing phosphate should be avoided since the phosphate ions will form an insoluble calcium phosphate salt with the calcium ions required for enzymatic activity.
3. Another buffer volume may be added. The total volume in the enzyme vial should be 20-200 µl.
4. The final CaCl₂ concentration should be 10 mM. If the reaction volume is adjusted, the volume of the CaCl₂ solution must also be adjusted.
5. The digestion time may need to be optimized for individual antibodies.

