

GeNei™ β-Galactosidase Staining Kit (for tissues)

Description: GeNei™ β-Galactosidase Staining kit provides a simple and rapid method for the detection of β-Galactosidase in frozen tissue sections and whole embryos expressed by the *E. coli* lac Z gene encoded by cloned gene sequences. DNA constructs carrying the *E. coli* lacZ 'reporter gene' are injected in pregnant mice through the tail vein. β-Galactosidase, the product of this reporter gene is detected in embryos and tissue sections using this kit.

Tissues/whole embryos are fixed with the fixative solution and stained with a solution containing X-Gal, the substrate for the enzyme β-Galactosidase. Tissues expressing the enzyme, will stain blue at the appropriate pH, as a result of the enzyme-substrate reaction.

Highlights:

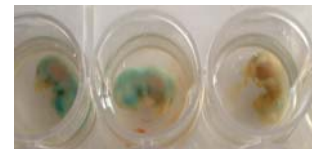
- Ready-to-use solutions
- Fast and easy staining protocol.
- Easy visualization.

The materials supplied are sufficient to carry out 10 staining reactions.

Storage: 4°C, Use the kit within 6 months of arrival.

Materials provided:

1. Fixative solution
2. Rinse buffer
3. Staining solution
4. Instruction Manual



Mouse embryos stained for β-galactosidase

Ordering Information:

Product	Size	Cat #
GeNei™ β-Galactosidase Staining kit	1 Pack	107517

GeNei™ β-Galactosidase Antibody Staining Kit

Description: GeNei™ β-Galactosidase Antibody Staining kit provides a simple and rapid method for the detection of β-Galactosidase in cells. Cloned gene sequences carrying the *E. coli* lac Z 'reporter gene' are introduced into mammalian cells either using retroviruses or various transfection methods. β-Galactosidase, the product of this reporter gene is detected in these transfected cells using this kit.

Transfected cells are fixed with the fixative solution and immunostained using an anti-β-Galactosidase antibody. The antibody binds to the antigen present in cells expressing β-Galactosidase and the antigen-antibody complex is detected using an HRP labelled secondary antibody followed by the substrate.

Note: This kit is suitable for detecting β-Galactosidase in *Drosophila* tissues as well.

The materials supplied are sufficient to carry out 10 staining reactions.

Ordering Information:

Product	Size	Cat #
GeNei™ β-Galactosidase Antibody Staining kit	1 Pack	107518



Transfected HEK293 cells stained for β-galactosidase

Application: In gene expression studies

Highlights:

- Ready-to-use solutions
- Easy to follow staining protocol.

Storage: 4°C, Use the kit within 6 months of arrival

Materials provided:

1. Fixative solution
2. Blocking serum
3. Primary antibody
4. Negative control antibody
5. 100X secondary antibody
6. 10X Antibody diluent
7. 10X PBS
8. 10X PBST
9. Substrate
10. Substrate buffer
11. 30% H₂O₂
12. Instruction Manual