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A Geno Technology, Inc. (USA) brand name

femtoELISA™ HRP Substrate

(Cat. # 786-111)



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INTRODUCTION

femtoELISA™ HRP Substrate is a highly sensitive chromogen for immunoassays of horseradish peroxidase (HRP) and is based on 3,3',5,5'-tetramethylbenzidine (TMB). This single component substrate is ready to use and is stable for up to 2 years, if stored and used as recommended.

ITEM(S) SUPPLIED (Cat. # 786-111)

Description	Size
femtoELISA™ HRP Substrate	100ml

STORAGE

It is shipped at ambient temperature. Upon arrival, store at 4°C. The substrate is light sensitive and should be protected from direct sunlight or UV sources.

ADDITIONAL ITEMS REQUIRED

- Stop Solution: 1N Hydrochloric acid (HCl) or 1N Sulfuric acid (H₂SO₄).

PROTOCOL

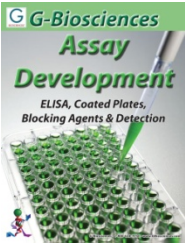
Allow the substrate solution to come to the room temperature before use.

1. Follow standard ELISA procedure: incubation, blocking, primary and secondary antibody and washing steps.
2. Add 100µl femtoELISA™ HRP Substrate to each well
3. Incubate at room temperature for 5-30 minutes. A blue color develops and the absorbance can be read at 370 or 650nm. For best results, sample absorbance values should be monitored and read before absorbance values exceed 2.0 OD units.
4. For greater sensitivity, stop the reaction with 100µl stop solution; a yellow color will develop.
5. The absorbance of the resulting yellow color can be read at 450nm.

Precipitation, a high background or a green color is indicative of a high concentration of HRP. DO NOT DILUTE the femtoELISA™ HRP Substrate; reduce the amount of HRP by diluting it further.

RELATED PRODUCTS

Download our Assay Development Handbook.



<http://info.gbiosciences.com/complete-assay-development-handbook/>

For other related products, visit our website at www.GBiosciences.com or contact us.

Last saved: 7/26/2012 CMH



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