

# ELISA kit for the detection of Metanephrine in the research laboratory

[← Back to search results](#)

55R-IB89181

[Download Datasheet](#) [1]



## ELISA kit for the detection of Metanephrine in the research laboratory

### More information

Name:	ELISA kit for the detection of Metanephrine in the research laboratory
Product group:	Kits
Product Number:	ABCA0131015
Price	Please Enquire
Quantity:	96 Test(s)
Type of Kit:	ELISA
Availabilitiy:	THIS PRODUCT IS DISCONTINUED.
Non Confirming product:	replace the product at no cost.



[Send to purchaser](#) [3]

[4]

### Description:

**Metanephrine is a metabolite of epinephrine created by action of catechol-O-methyl transferase on epinephrine. An article in the Journal of the American Medical Association, 2002, indicated that the measurement of plasma free metanephrines is the best tool in the diagnosis of pheochromocytoma, an adrenal medullary neoplasm. Normetanephrine is a metabolite of norepinephrine created by action of catechol-O-methyl transferase on norepinephrine. It is excreted in the urine and found in certain tissues. It is a marker for catecholamine-secreting tumors such as pheochromocytoma.**

### Application

Applications:	ELISA
Application notes:	Optimal conditions to be determined by end-user

Research area: HOR  
Steroids

## Components

Component	Concentration	Description	Volume	Cap Color
Notes		First, the plasma proteins are removed by precipitation. After this Metanephrine (Metadrenaline) is acylated. The subsequent competitive ELISA kit uses the microtiter plate format. The antigen is bound to the solid phase of the microtiter plate. The acylated standards, controls and samples and the solid phase bound analytes compete for a fixed number of antiserum binding sites. After the system is in equilibrium, free antigen and free antigenantiserum complexes are removed by washing. The antibody bound to the solid phase is detected by an antirabbit IgGperoxidase conjugate using TMB as a substrate. The reaction is monitored at 450 nm. Determination of unknown samples is achieved by comparing their absorbance with a reference curve prepared with known standards. The antisera used in this test kit only recognise the biologically relevant Lforms of metanephrines. Commercially available synthetic normetanephrine or metanephrine is always a mixture of the Dand Lforms. The ratio between both forms differs widely from lot to lot. This has important implications if synthetic metanephrines are used to enrich native samples. As only about 50% of the synthetic metanephrines the Lportion will be detected by use of this kit, spiked samples will be underestimated. Therefore native samples containing solely the Lform should be used.		

## Product Information

Storage: Store at 2-8 deg C.

[← Back to search results](#) <sup>[5]</sup>

148102

[Download Datasheet](#) <sup>[6]</sup>



[Add your questions and comments about this product!](#) <sup>[7]</sup>



[PDF version](#) <sup>[8]</sup>

[Back to top](#)

- [How to order?](#)
- [Payment Methods](#)
- [Shipping Cost and VAT](#)
- [Webshop General Conditions](#)
- [Terms of use](#)
- [Disclaimer](#)
- [Privacy statement](#)
- [About us](#)
- [Contact us](#)

Source URL: <http://www.theantibodyshop.com/kit/elisa-kit-detection-metanephrine-research-laboratory>

### Links:

- [1] <http://www.theantibodyshop.com/download?url=www.fitzgerald-fii.com%2Fmetanephrine-elisa-kit-55r-IB89181.html>  
[2] <http://www.antibodychain.com/content/Fitzgerald>  
[3] <http://www.theantibodyshop.com/printmail/105868>  
[4] <http://www.theantibodyshop.com/node/16540/105868>  
[5] [http://www.theantibodyshop.com/javascriptvoid\(\)](http://www.theantibodyshop.com/javascriptvoid())  
[6] <http://www.theantibodyshop.com/download?url=http://www.fitzgerald-fii.com/metanephrine-elisa-kit-55r-IB89181.html>  
[7] <http://www.theantibodyshop.com/comment/reply/105868#comment-form>  
[8] <http://www.theantibodyshop.com/printpdf/105868>