



# **PicoKine™ ELISA**

**Catalog number: EK7116**

For the quantitation of **All Animals** concentrations in Cell  
lysates, Plasma, Serum, Urine

This package insert must be read in its entirety before using this  
product. For research use only. Not for use in diagnostic procedures.

## Nitrotyrosine ELISA Kit

Catalog Number: EK7116

### Introduction

Boster's ELISA Kit is a competitive assay that can be used for the quantification of Free Nitrotyrosine in plasma, serum, cell lysates, urine, and other sample matrices. The ELISA utilizes an Nitrotyrosine-coated plate and an HRP-conjugated antibody for detection which allows for an assay range of 62.5 to 8000nM Free Nitrotyrosine, with a sensitivity of 50nM. The other highlights of this kit are a quick incubation time of 60 minutes, stable reagents, and an easy to use protocol.

### Overview

<b>Product Name</b>	Nitrotyrosine ELISA Kit
<b>Reactive Species</b>	All Animals
<b>Size</b>	96wells/kit, with removable strips.
<b>Description</b>	Colorimetric detection of Nitrotyrosine. 96wells/kit, with removable strips.
<b>Sensitivity</b>	50 nM *The sensitivity or the minimum detectable dose (MDD) is the lower limit of target protein that can be detected by the kit. It is determined by adding two standard deviations to the mean O.D. value of twenty (20) blank wells and calculating the corresponding concentration.
<b>Detection Range</b>	62.5 - 8000 nM
<b>Storage Instructions</b>	Store at 4°C.
<b>Cross Reactivity</b>	There is no detectable cross-reactivity.

### Kit Components/Materials Provided

Description	Quantity
Nitrosylated BSA Coated Plate	1 Plate
Nitrotyrosine Standard	1 vial/110µl
Nitrotyrosine HRP Conjugated Monoclonal Antibody	1 vial/75µl
Sample and Standard Diluent (Red)	1 vial/50mL
Nitrotyrosine Antibody Diluent (Blue)	1 vial/13mL
Wash Buffer Concentrate (10X)	1 vial/ 50mL
TMB Substrate	1 vial/ 13 ml

Phone: 888-466-3604

Fax: 925-215-2184

Email: [support@bosterbio.com](mailto:support@bosterbio.com)

Web: [www.bosterbio.com](http://www.bosterbio.com)

Stop Solution

1 vial/ 13 ml

Plate Cover

2

## Required Materials That Are Not Supplied

---

1. A plate reader capable of measuring absorbance at 450 nm.
2. Adjustable pipettes and a repeat pipettor.
3. Deionized or distilled water
4. Materials used for Sample Preparation