



# PicoKine™ ELISA

**Catalog number: EK7079**

For the quantitation of **Human KLK3** concentrations in  
Serum and Plasma

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

## Human Free Prostate Specific Antigen (f-PSA) OneStep ELISA Kit

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### Introduction

The Bosterbio OneStep ELISA kit is a solid phase direct ELISA sandwich kit. Instead of adding samples detection antibody and ABC-HRP separately, The OneStep ELISA kit allows the user to add standards, samples and controls to wells in one step, along with the incubation buffer. After a simple washing step, an enzyme conjugate reagent is added into each well. After the excess enzyme conjugate is washed out, the substrate is added into each well. The enzyme catalyzes the substrate yielding a blue color ( $A_{\max} = 370\text{nm}$  and  $652\text{nm}$ ) that changes to yellow ( $A_{\max} = 450\text{nm}$ ) upon addition of a sulfuric or phosphoric acid stop solution. The intensity of color developed is directly proportional to the concentration of target protein in the samples. A standard curve is generated relating color intensity to the concentration of target protein.

### Overview

Product Name	Human Free Prostate Specific Antigen (f-PSA) OneStep ELISA Kit
Reactive Species	Human
Size	96wells/kit, with removable strips.
Description	Human Free Prostate Specific Antigen (f-PSA) OneStep ELISA Kit, tested with Serum and Plasma. Format: 96wells/kit, with removable strips.
Sensitivity	1 ng/ml *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.
Detection Range	1-25 ng/ml
Storage Instructions	Store the kit at 2°C to 8°C. Keep microwells sealed in a dry bag with desiccants. The reagents are stable until expiration of the kit. Do not expose reagent to heat, sun, or strong light. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
Uniprot ID	P07288
Specificity	Natural and recombinant Human KLK3
Cross Reactivity	There is no detectable cross-reactivity.

### Kit Components/Materials Provided

Phone: 888-466-3604

Fax: 925-215-2184

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

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

**Description**

1. Microwells coated with Streptavidin
2. f-PSA Standard: 6 vials (ready to use)
3. f-PSA Conjugate Reagent: 1 bottle (ready to use)
4. TMB Substrate: 1 bottle (ready to use)
5. Stop Solution: 1 bottle (ready to use)
6. 20X Wash concentrate: 1 bottle

**Quantity**

- 12x8x1
- 0.5 ml
- 12 ml
- 12 ml
- 12 ml
- 25 ml

## Required Materials That Are Not Supplied

1. Distilled or deionized water
2. Precision pipettes
3. Disposable pipette tips. Multichannel pipettes are recommended in the condition of large amount of samples in the detection.
4. ELISA reader capable of reading absorbance at 450nm
5. Absorbance paper or paper towel
6. Graph paper

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