

## PON STANDARDS (QQ and RR Phenotypes)

### PRODUCT CHARACTERISTICS:

PON Standards contain human paraoxonase 1 (PON1) enzyme partially purified from human serum or plasma that has been phenotyped and genotyped for the Q192R polymorphism. PON Standards are suspended in buffer containing 25mM Tris-HCl, 0.17 mM NaCl, 20% glycerol, 0.1% Tergitol NP-10, 1.0 mM CaCl<sub>2</sub>, at pH 8.0. The PON1 enzyme activity is calcium-dependent and can be inhibited by chelating agents such as EDTA.

### RECOMMENDED USAGE AND ACTIVITY:

PON Standards are intended to be used as controls for arylesterase and paraoxonase applications, including kinetic activity assays and phenotype/genotype assays. For best results, dilute standards 1:3 for arylesterase assays and 1:20 for paraoxonase assays. Arylesterase activity reference ranges have been determined by the Zeptomatrix Arylesterase / Paraoxonase Assay Kit (Catalog # 0801199).

### CONTENTS:

Each package contains two vials: 300µl of both PON phenotype QQ and phenotype RR (formerly phenotype AA and phenotype BB, respectively).

### STORAGE AND STABILITY:

PON Standards should be divided into smaller aliquots and stored at -65°C or below. Avoid multiple freeze-thaws. For short term use, material may be stored at 2-8°C for up to 1 week. **Expiration Date:** One year from the date of receipt. Expiration date may be extended if handled and stored properly.








### PRECAUTIONS:

Human source material was used to manufacture this product. Follow universal safety precautions while working with bio-hazardous materials. Wear gloves, lab coats and safety glasses at all times.

### REFERENCES:

Browne RW, Koury ST, Marion S, Wilding G, Muti P, Trevisan M. Accuracy and biological variation of human serum paraoxonase 1 activity and polymorphism (Q192R) by kinetic enzyme assay. Clin Chem (2007) 53:310–317.

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	Catalog Number		Temperature Limitation
	Batch Code		Expiration Date
	For Research Use Only		Biological Risk
	Manufacturer		

PCA# 21-112 & 21-316  
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