

**ARBOR
ASSAYS**

DetectX[®] Prostaglandin E₂ ELISA Kits **Redirecting the Way PGE₂ is Measured**

PGE₂ Assay Kits for Every Determination

[Click Here to Get Our
New 2011 Catalog](#)

THREE RANGES

KIT MANUALS & INFORMATION:

**DetectX[®] PGE₂ Regular
EIA Kits**

Regular EIA Kit: 1,000 to 32 pg/mL

One Plate Kit:
Catalog No. [K018-H1](#)

High Sensitivity EIA Kit: 400 to 12.5 pg/mL

Five Plate Kit:
Catalog No. [K018-H5](#)

Chemiluminescent CLIA Kit: 320 to 5 pg/mL

**DetectX[®] PGE₂ High Sensitivity
EIA Kits**

Monoclonal Antibody Based

One Plate Kit:
Catalog No. [K018-HX1](#)

**Validated for Multiple Sample Types
INCLUDING Mouse Serum**

Five Plate Kit:
Catalog No. [K018-HX5](#)

**DetectX[®] PGE₂
Chemiluminescent
CLIA Kits**

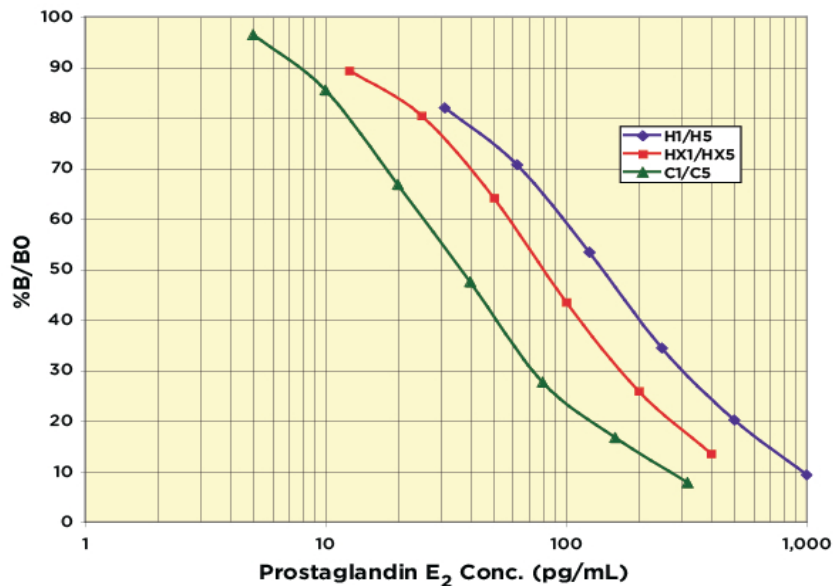
High Quality and Economical

One Plate Kit:
Catalog No. [K018-C1](#)

All with Superior Liquid Stability

Five Plate Kit:
Catalog No. [K018-C5](#)

Pick the Kit to match YOUR Application!!



Prostaglandins are synthesized from arachidonic acid by cyclooxygenase (COX)-1 or -2, which convert the acid into PGH₂. This is further processed by cytosolic or microsomal prostaglandin synthases to become PGE₂ or one of several other prostanoids. Prostacyclin is the major cyclooxygenase product in blood vessel walls and it is present in inflammatory fluids in similar concentrations to PGE₂. PGE₂ is a potent vasodilator and produces hyperalgesia. PGE₂ is produced by a wide variety of tissues and in several pathological conditions, including inflammation, arthritis, fever, tissue injury, endometriosis, and a variety of cancers.

Simple, Stable and Sensitive

The DetectX[®] Prostaglandin E₂ (PGE₂) Immunoassay kits are designed to quantitatively measure PGE₂ present in serum, plasma, urine, saliva and tissue culture media samples. Standards or diluted samples are pipetted into an antibody coated microtiter plate. A PGE₂-peroxidase conjugate is added to the wells and the binding reaction is initiated by the addition of a monoclonal antibody to PGE₂. After either a 2 hour room temperature or an overnight incubation, the plate is washed and substrate is added. For the Regular and High Sensitivity kits, TMB substrate is added and after 30 minutes the color reaction is stopped and read at 450 nm. For the Chemiluminescent kits the substrate reacts with the bound PGE₂-peroxidase conjugate to produce light which is measured in any multi-label plate reader.