

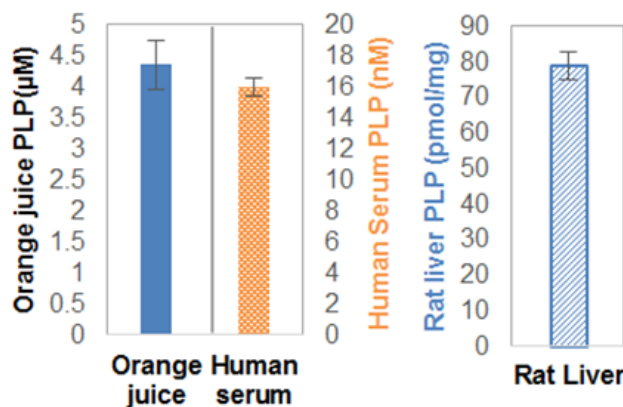
# Pyridoxal 5'-phosphate (Vit B<sub>6</sub>) Fluorometric Assay Kit

Measure Pyridoxal 5'-phosphate (PLP)  
or Vit B<sub>6</sub> concentrations

MILPITAS, CA, UNITED STATES, August 27, 2019 /EINPresswire.com/ --

Pyridoxal 5'-phosphate (PLP), the active form of Vitamin B<sub>6</sub> is a cofactor in a variety of metabolic reactions including transamination, decarboxylation, racemization, etc. Vitamin B<sub>6</sub> comprises of pyridoxine, pyridoxamine and pyridoxal, which during metabolism is converted to the enzymatically active form namely PLP. Vitamin B<sub>6</sub> is necessary for the synthesis of neurotransmitters, hemoglobin in red blood cells, fat metabolism etc. Vitamin B<sub>6</sub> deficiency can lead to nervous disorders, peripheral neuropathy, anemia, seizures etc.

BioVision's Pyridoxal 5'-phosphate (Vit B<sub>6</sub>) Fluorometric Assay Kit provides a quick, specific and easy method for measuring PLP concentrations in a wide variety of samples. In this assay, PLP reacts with a PLP-dependent enzyme thereby converting the substrate into an intermediate, which will further react with a probe to produce a strong fluorometric signal (Ex/Em = 535/587 nm). The kit is simple, easy to use, sensitive and high-throughput adaptable. It can detect as low as 0.2 pmol/well of PLP in biological samples.



**Figure (c)** Estimation of PLP in Orange juice (5 μl of 100X dilution), Human serum (4 μl) and Rat liver lysate (5 μl of 10X dilution). PLP concentrations were 4.36 ± 0.40 μM in orange juice, 15.98 ± 0.58 nM in human serum and 79.0 ± 4.0 pmol/mg in Rat liver lysate samples. Assays were performed following the kit protocol.

Estimation of PLP in Orange juice

Figure: Estimation of PLP in Orange juice (5 μl of 100X dilution), Human serum (4 μl) and Rat liver lysate (5 μl of 10X dilution). PLP concentrations were 4.36 ± 0.40 μM in orange juice, 15.98 ± 0.58 nM in human serum and 79.0 ± 4.0 pmol/mg in Rat liver lysate samples. Assays were performed following the kit K2009 protocol.

For more information on this Kit, Visit: <https://www.biovision.com/pyridoxal-5-phosphate-vit-b-fluorometric-assay-kit.html>.

Visit [www.Biovision.com](http://www.Biovision.com)

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BioVision develops and offers a wide variety of products including assay kits, antibodies, recombinant proteins & enzymes, and other innovative research tools.”  
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Marketing BioVision  
 BioVision Inc  
 +1 408-493-1800  
[email us here](#)

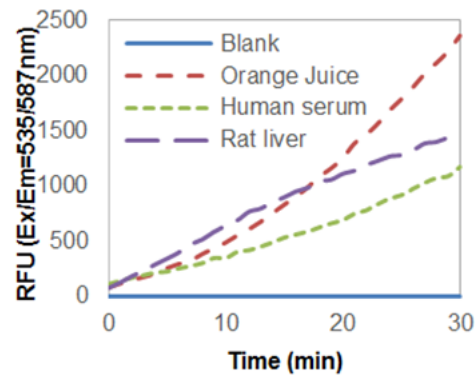


Figure (b) Corrected kinetic curve for Blank, Orange Juice, Human serum and Rat liver lysate.

Kinetic curve

This press release can be viewed online at: <http://www.einpresswire.com>

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