*DropSens* launches *p*-AminoPhenyl Phosphate (ref. PAPP).

*p*-AminoPhenyl Phosphate is intended for its use as *electrochemical substrate of Alkaline Phosphatase* (AP). This reagent generates *electrochemically active* *p*-aminophenol as the product after its hydrolysis. Voltammetric and amperometric measurements can be easily carried out for the quantification of *p*-aminophenol in affinity assays using the *p*-APP/AP detection system.

The use of PAPP, instead of other AP substrates, results in lower LODs, wider linear ranges and a simpler methodology for the detection of the enzymatic product. Moreover the applied potential for oxidation of *p*-aminophenol is lower than the potential for oxidation of other AP substrates hydrolysis products, which reduces the number of potential interferents able to be oxidised at the electrode surface.

Cyclic voltammetry of the hydrolysis product at the surface of screen-printed carbon electrodes shows well-defined oxidation and reduction peaks. Furthermore the $\Delta E_p$ value indicates that the electrode reaction is quasi-reversible.

$p$-APP should be stored between 2 and 8 ºC, under a N$_2$ atmosphere and away from light.

**Related products**

- HQDP
- PPAR