

Screen-Printed Electrodes for Uric Acid Detection

Ref. UA10

Uric acid is the major end product of purine metabolism. It is present in biological fluids such as urine and blood serum and the detection of anomalous values can be directly related to several disorders.

The uric acid sensor (Ref. UA10) is based on a screen-printed carbon electrode modified with the enzyme uricase.

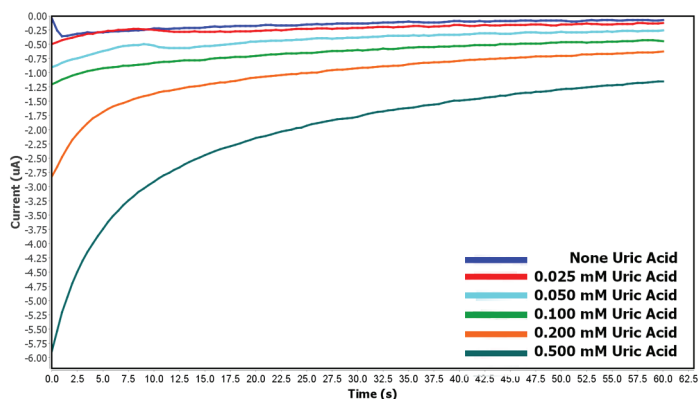


Fig. 1. Amperometric Detection of uric acid (UA) in 20mM sodium Borate buffer pH 8. $E_{det} = -0.1V$.

Ceramic substrate: $L34 \times W10 \times H0.5$ mm

Electric contacts: Silver

The electrochemical cell consists on:

Working electrode: Ferrocyanide/Carbon/Uricase (4 mm diameter)

Auxiliary electrode: Carbon

Reference electrode: Silver

Screen-Printed Electrodes for uric acid detection are commercialized in 50 units packs, with a calibration curve provided per batch.

The sensors should be stored at 2-8°C in the dark immediately upon received.

www.metrohm.com
www.metrohm-dropsens.com