

Supplementary material

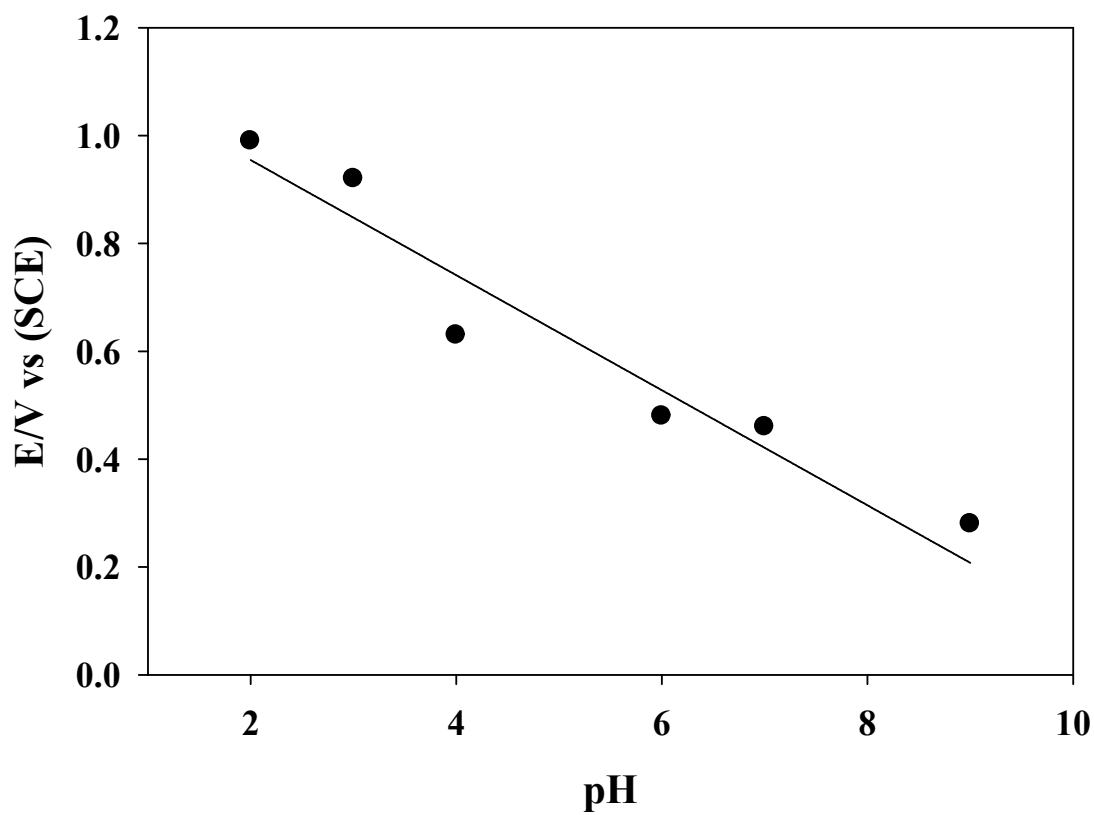


Fig. 1. The relation between anodic peak potential of DAC and pH values

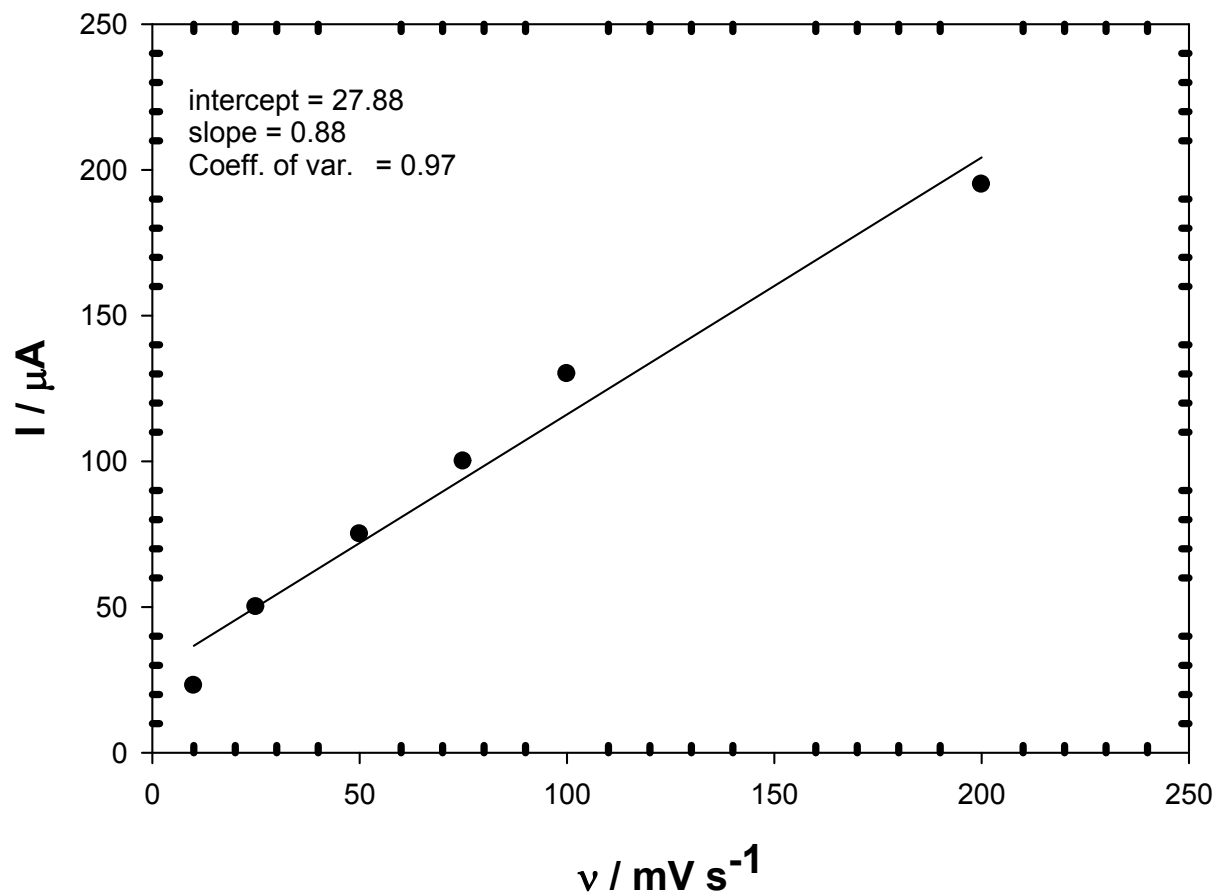


Fig. 2. The relation between anodic peak current and the scan rate.

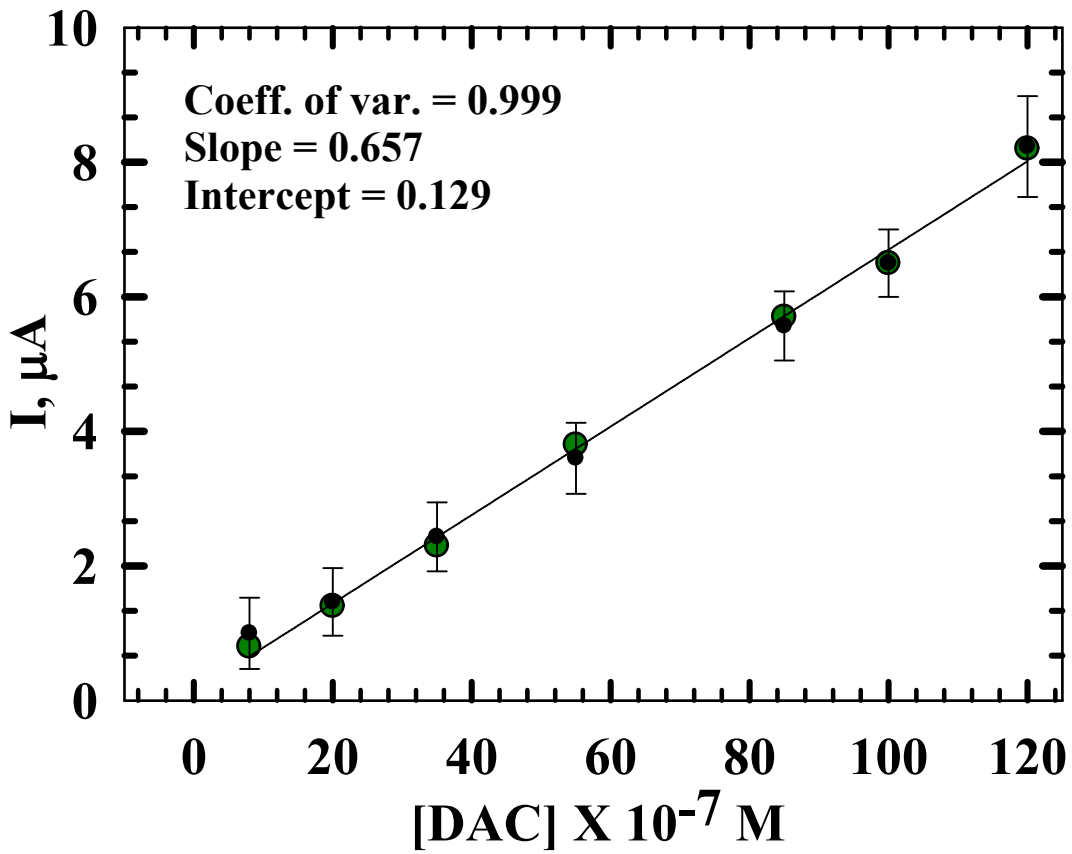


Fig 3. Calibration curve of DAC in urine.

Table 1. Accuracy and precision estimation for the proposed method of DAC determination in urine aliquot

[DAC] added (M) x 10⁻⁷	[DAC] Found^a (M) x 10⁻⁷	Recovery (%)	SD x 10⁻⁶	S.E^b x 10⁻⁶	C.L.^c x 10⁻⁶
5.00	5.05	101.0	1.11	0.50	1.38
50.0	50.09	100.1	0.51	0.60	1.81
75.0	74.66	99.54	4.39	1.96	5.45
100.0	99.18	99.18	9.91	4.43	10.2

^a mean for five determinations

^bStandard error = SD/√n

^c C.L. confidence at 95%confidence level and 4 degrees of freedom (t=2.776)