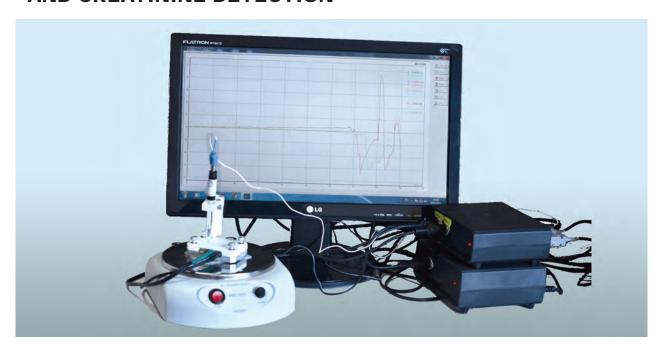
BIOSENSOR SYSTEM FOR UREA AND CREATININE DETECTION



Areas of Application

The system is designed to diagnose the kidney function and to control the quality of hemodialysis

Advantages

Commercial analogs are absent. Unlike the existing methods of creatinine and urea detection, the proposed system does not require any sample pretreatment, is notable for a low laboriousness and a low cost of analysis, has a high sensitivity and selectivity of detection, enables a quick analysis (rapid analysis) and simultaneous determination of both metabolites in real time, at the bedside

IPR Protection

IPR3

Specification

Показник	Bioselective element based on	
	creatinine deiminase	recombinant urease
Analyte	Creatinine	Urea
Linear detection range, mM	0.02-2.0	0.5 – 20
Operation stability, h	8	8
Storage stability, months	5	5
Time of analysis,	5-7	5-7
Measurement error, %	≤5	≤5

Stage of Development. Suggestion for Commercialization

IRL6, TRL5 Manufactured, upon request. Seeking partners for mass production

Contact Information

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