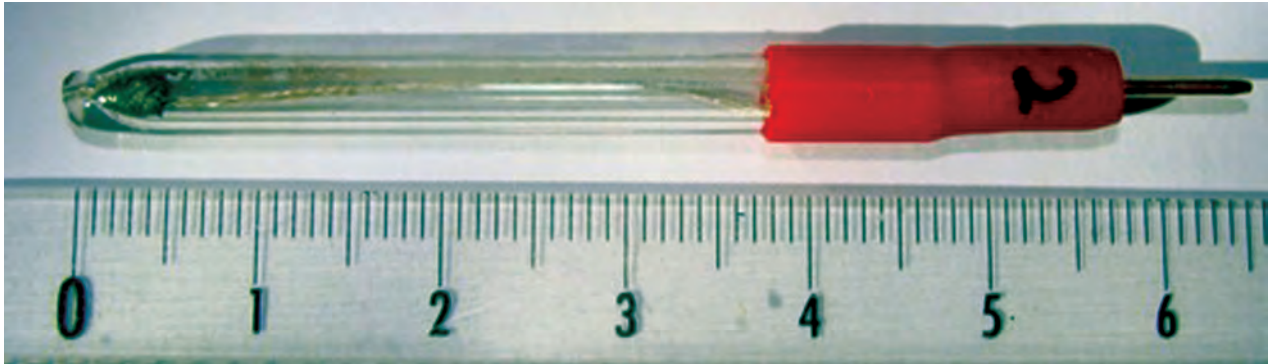


BIOSENSOR SYSTEM FOR MEASURING ATP AND GLUCOSE CONCENTRATION



Biosensor based on a platinum disc electrode

Areas of Application

The system is designed for measuring ATP and glucose concentrations in scholarly research studies and quality control of pharmaceuticals

Advantages

There are no commercial analogs. The system enables simultaneous selective determination of both substances. It is notable for a low laboriousness and a quick time of analysis (rapid analysis). It is compact and portable. The number of detected substances is extendable by adding other biosensors to the biosensor system. The system does not require any sample pretreatment

Specification

Показник	Biosensitive element based on	
	Glucose oxidase	Glucose oxidase and hexokinase
Analyzed substance	Glucose	ATP
Linear range, μM	10–2000	15–80
Operational stability, h	8	8
Storage stability, months	4	2
Duration of analysis, min	5	8–10
Measurement error, %	≤ 3	≤ 10

IPR Protection

IPR3

Stage of Development. Suggestion for Commercialization

IRL5, TRL4
Manufactured, upon request.
Seeking partners for mass production

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