



# INFECTION ANALYSIS APPARATUS AND METHOD

## Invention Definition

The Infection Analyzer is an innovative biosensor designed to detect infections caused by pathogens through the analysis of biological elements such as blood, urine, and more, extracted from the human body. This device and method enable the rapid detection of infections by simply placing a few drops of a blood sample onto a specialized test strip. By doing so, the Infection Analyzer provides instantaneous results, allowing for swift and accurate diagnosis.



**Applicant**

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European Patent	EP2020085859	Searching
United Kingdom	GB2592887B	Granted
Chinese	CN115244399A	Searching
USA	US2023027745A1	Searching

## Benefits

- Prevents cases and patient losses by facilitating prompt and effective treatment through rapid detection of infection-related diseases.
- Enables swift analysis by reducing the time required for infection detection from up to 48 hours (using classical methods) to just 1 minute.
- Ensures precise analysis by offering multiple scan detection capabilities for identifying infection-causing pathogens accurately.

## Market Information

The point-of-care (PoC) diagnostics market is anticipated to reach USD 75.5 billion by 2027, with a projected CAGR of 10.7%. The infectious diseases point-of-care (PoC) diagnostics market, a significant segment within PoC diagnostics, is forecasted to reach USD 4.22 billion by 2028. The Asian market is recognized as having substantial potential in the field of PoC diagnostics.

## Target Market

Hospitals, clinical research centers, laboratories and individual users who may benefit from personal health monitoring especially the companies operating in the specified NACE Codes, can be regarded as the target audience.



## Areas of Use

- Infection analysis system for hospitals, clinics, and health checkpoints.
- Home care services.
- Personal use for monitoring health and detecting infections.



### NACE Code

72.11.01

### Activity

Research and experimental development activities related to biotechnology

## Commercialization Exceptions

The primary objective is to transfer the technology to target audience companies through patent licensing or transfer. The licensor expects the recipient companies to actively utilize the technology and undertake commercialization efforts. Furthermore, the licensor encourages industry-industry cooperation projects to support the technology transfer process.

In line with these expectations, the patented invention is eligible for the TUBITAK 1702 Patent-Based Technology Transfer Support Program. If a potential technology transfer aligns with TUBITAK 1702, the customer organization may be able to recover 25%-65% of the licensing / transfer fees.

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