

Enables Efficient, Accurate and Quick Analysis of Microscopic Biological Materials

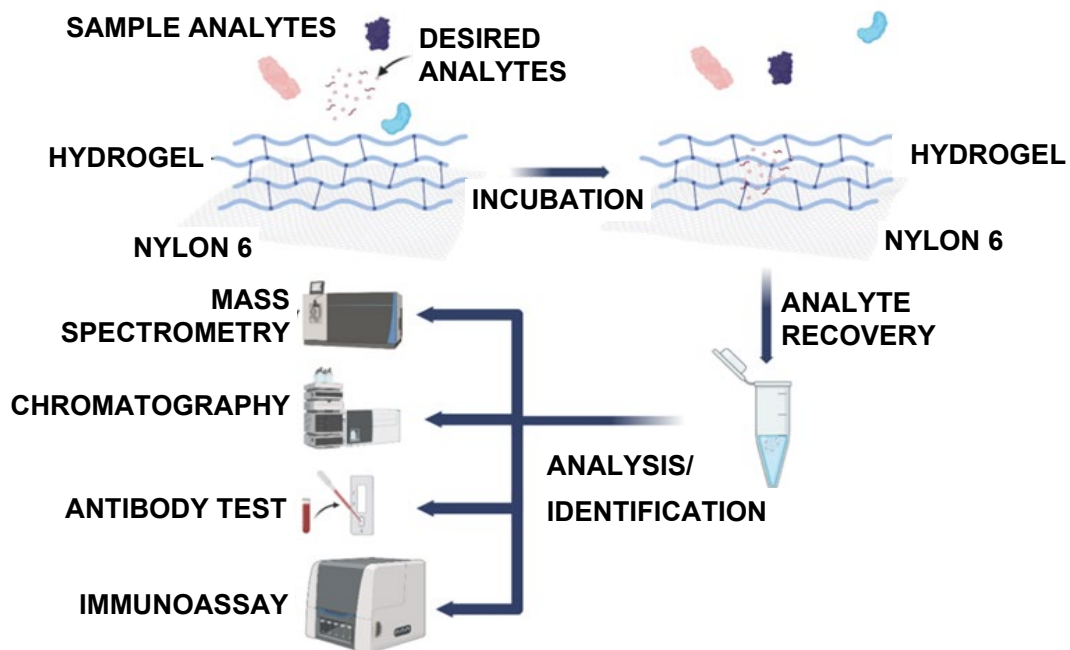
Prototyped composite polymer-based sheet hydrogel extracts and analyzes microscopic biological materials. The microscopic biological materials include proteins, peptides, DNA, and RNA from various bodily fluids (like blood or urine) and environmental samples.

Advantages:

- Preserves the molecular integrity and cell viability of the biological materials
- Lends itself to automatic detection and monitoring
- Enables early detection of biological materials
- Usable for environmental monitoring
- Scalable and reproduceable
- Detects diseases
- Fast

Ideal Applications

This exciting new material (an advanced Polymer-Hydrogel Composite), for biomolecule capture and biofluid Analysis, is useful for early detection of diseases like Lyme disease. It can also be useful for trapping microscopic impurities in water or blood.



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