

Biosensor ON PAPER

Being diseases the main cause of death it's important to have an efficient method of prevention. Biosensors on paper are an easy, affordable and eco-friendly way to do so.

BIOSENSORS

Conventional

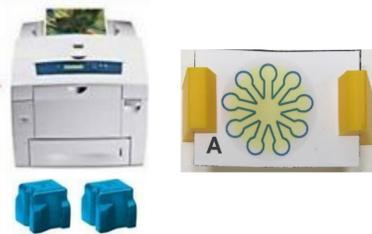


On paper



Biosensors on Paper Production

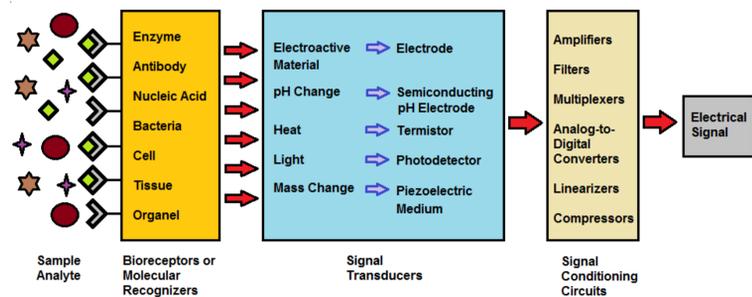
Wax printing



Wax Diffusion



How do they work?



STARCH INDICATOR



The biosensor has three distinct areas:

- the deposition area of the sample;
- the sample conducting channel;
- the test zone.

DISSEMINATION OF THE CONCEPT

We went on a disclosure trip to a 4th grade class and 9th grade class. On these trips we performed a demonstration of the biosensors on paper to the young students. Forming small groups, that each of us took control on, demonstrating the concept of a biosensor.

