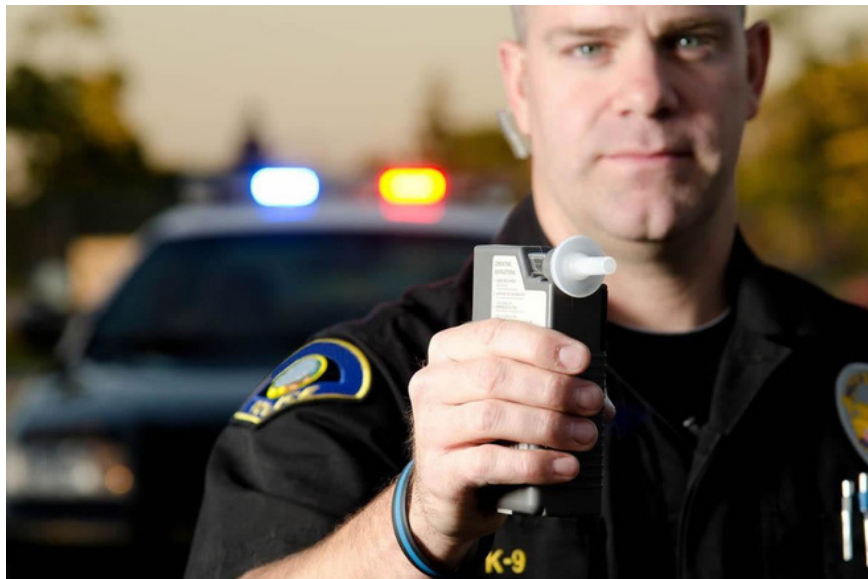


This microchip is capable of detecting cocaine, surprisingly cheap at only 0.1 USD

A new chip has the ability to sense chemicals, which are used to detect cocaine, but the price is extremely cheap and is produced by researchers at Buffalo University, New York.

A new chip has the ability to sense chemicals, can detect cocaine, but the new price is very cheap, produced by researchers at Buffalo University, New York.

The chip can detect cocaine within minutes by examining blood, breath, urine or saliva samples through a purification process. Researchers are continuing to experiment to install this chip on a simple, lightweight test device that can be easily used in rapid drug tests for a variety of objects. Different substances.



Currently, we are using drug testing techniques based on Raman surface spectra. The technique also uses chips, but the price is much higher than the new chip (the raw material to produce the new chip costs just under \$ 0.1).

The new chip is a nanostructure specifically designed to hold light. It was created by layering materials between gold and silver nanoparticles. When biological or chemical molecules touch the surface of the chip, a portion of the light that has been trapped will interact with the molecules and be scattered into many new light. This effect can be viewed as fingerprint because it takes place in unique patterns and reveals information about the compound on the chip surface.

This technology is cheap, suitable for industrial production. According to the researchers, the chip can work well after a year stored in stock so it can be sold for a long time.

The chip promises to bring significant benefits to police forces when it can help speed up drug testing procedures.

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