



Device And Method For Accelerated Material Extraction And Detection

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The Invention

A method and device are provided for detecting a target in a biological sample. The target binds to a solid phase substrate. First and second cavities in a plate are filled with an oil. The first and second cavities are in fluid communication with each other. The solid phase substrate is magnetically drawn sequentially from a drop of the biological sample in the first cavity, through the oil, into a drop of the reaction solution in the second cavity. A change in a parameter of the drop of the reaction solution indicates the presence of the target.

Additional Information

For More Information About the Inventors

- [David Beebe](#)
- [David O'Connor](#)
- [Thomas Friedrich](#)

Tech Fields

- [Medical Devices : Diagnostics & monitoring tools](#)

For current licensing status, please contact Jeanine Burmania at jeanine@warf.org or 608-960-9846