

Molecular diagnostic near patient and for every patient

Profile

Spinomix is developing fully automated instruments and micro-fluidic chips with related biochemical protocols that address specific unmet needs in the *diagnostics and life-sciences markets*.

Initial focus is on the molecular diagnostics market, a double digits growing market estimated at :
\$ 8 billion in 2008 (20% CAGR).

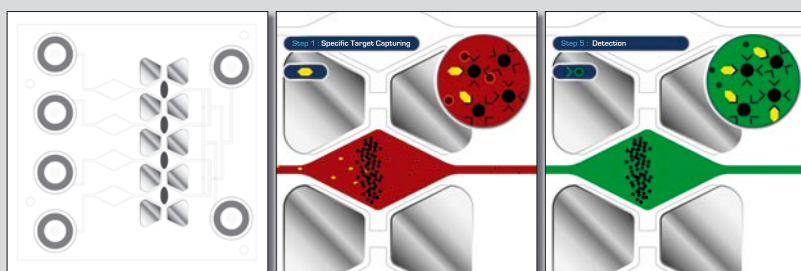
- 1. Very large and dynamic (moving) reaction surface**
HIGH SENSITIVITY
- 2. Advection based technology**
RAPID PROCESSING TIME
- 3. Easy-to-use and compact system**
PORTABLE INSTRUMENT
- 4. Lower cost technology**
AFFORDABLE

Spinomix core competencies are based on unique and innovative technology of handling magnetic nanoparticles in a micro-fluidic environment. Our core developments are covered by several international patents.

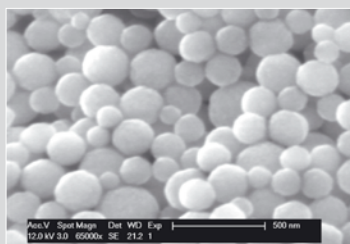
This technology, termed as **Magnetic Phase (Mag-Phase)**, allows the integration of complex bio-molecules assays functionalities within a compact and easy to use system. Steps such as simple preparation, signal amplification and detection of multi-analytes are implemented into a single fast and reliable diagnostic system.

Spinomix offers new systems that enable miniaturisation and automation of complex biochemical analysis procedures, along with superior performance at low cost.

Spinomix is merging together the reliability of a "centralized" laboratory with the speed and ease-of-use to meet the requirements of the Point-of-Care diagnostics.



- Up to 10'000 times larger** than the current golden standard.
Proportional analogy : surface of a football pitch fits on a chair – A4 sheet surface fits on 25 mm²
- No limitations by diffusion - **up to 100 times faster** than other tests - from hours or days to minutes.
- High degree of automation and integration achieved for multiple-functionalities within the micro-fluidic chip.
- Simple concept integrating more cost effective and widely available components and lower diagnostic reagent consumption.



New proprietary magnetic nano-particles technology that allows dramatic increase of the active surface in a bioassay.



MagPie