



Effective Point-of-care (POC) Small Analyte Diagnostics

A portable system for e.g. efficient measuring of prohibited drugs, steroid hormones, pharmaceuticals, environmental toxins.

Competitive advantage

- Robust. The diagnostic method for small analytes is specific, sensitive and fast
- Flexible. Essential applicable to any kind of small analytes.
- Faster than conventional methods. Homogenous test format ensures fast assay kinetics
- Cost effective. Antibody phage display library technology provides excellent tools to develop novel binding specificities and establish new immunoassay principles with inexpensive production costs.

Application and market areas

- Police
- Emergency rooms, Ambulances
- Doctor's office or home

Technical description

One-step, homogenous non-competitive immunoassay for small analytes such as pharmaceuticals, drugs of abuse, steroid hormones and toxins. It is based on recombinant anti-immune complex antibodies enriched from phage display antibody libraries and utilization of fluorescence resonance energy transfer (FRET).

Intellectual property

Patent granted EP1579222
Patent pending e.g. in USA



Why partner with VTT?

10 reasons for technology partnering with VTT

1. We are a key factor in Finland's success story and have the track record to prove it.
2. Licensing and co-venturing opportunities
3. Portfolio of more than 1000 patents and inventions
4. New business and product concepts based on strong IP and world class research
5. Combined experience of more than 2000 career research scientists in eight focused areas of technology
6. Active member in hundreds of scientific & business communities
7. Excellent track record as coordinator and partner in EU projects
8. TOP 50 R&D investors in Finland and 10 percent of global Fortune 500 as trusted partners
9. Market driven multi-disciplinary solutions
10. 65 years experience in R&D

Additional information

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