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ENVIGO

Research Models
and Services
Health Monitoring

Bead Technology

Envigo RMS UK Ltd are pleased to announce the latest development in our serological testing

The microbead assay replaces the long-serving (Enzyme Linked Immuno-Sorbent Assay) ELISA.

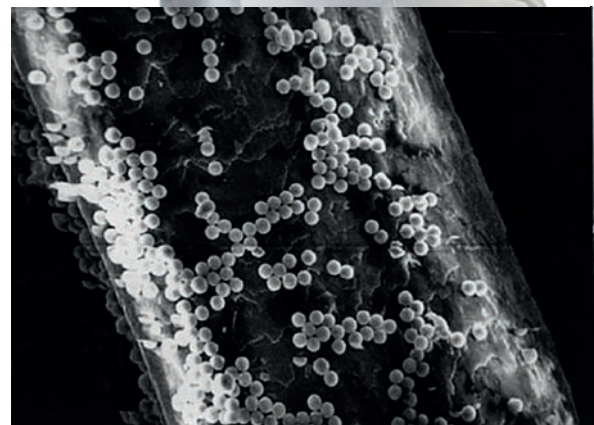


This improvement, resulting in a more robust test, is afforded by the use of multiple coated beads per assay, rather than a single coated well. By utilising uniquely fluorochrome-coated sets of polystyrene microbeads, tests can be multiplexed by mixing beads coated with the required analytes with the serum sample to be tested. A common reporter molecule is conjugated to a second detection agent and reactions measured using a Luminex instrument.

In our laboratories, the introduction of this new technique has resulted in a reduction in materials, reagents and test sample volume required. Conversely, it has led to an increase in the number of tests that can be processed per day.

The continued flexibility of Envigo's testing has been retained through in-house adaptation of the assay; thus, tests can be added or subtracted from profiles on an ad hoc basis.

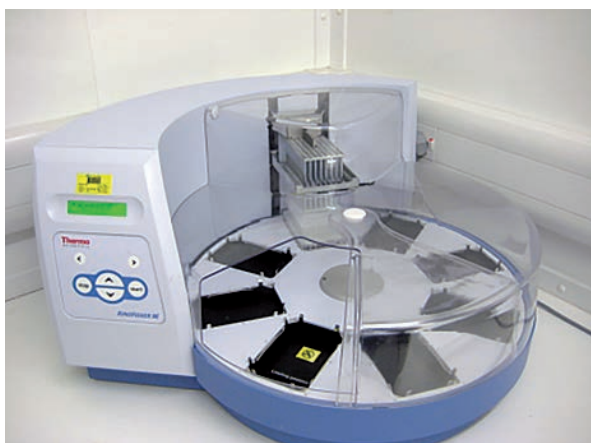
Supporting tests to the microbead assay in the case of equivocal or unexpected results are ELISA and IFA.





Microbead Technology and The Benefits to You

The microbead assay provides increased speed, sensitivity and specificity in the detection of viral antibodies.



Magnetic beads

Our process has been automated by the introduction of a Kingfisher magnetic bead handler. The use of magnetic beads mean the need for costly filter bottom plates is eliminated and allow us to run any number of samples at any time. Without the need to batch test for efficiency we can concentrate on getting your results to you faster.

Any Antigen

As we coat our own beads we can be flexible with the antigens we use. With minimal development time we can coat beads with any antigen.

Any Source

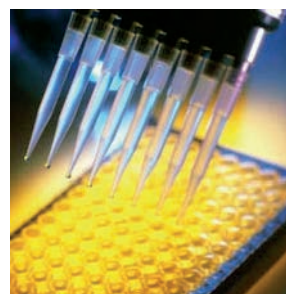
We can use a variety of antigens from different sources meaning we are not limited to antigens from a single supplier. This means we can react quickly to new developments.

Any Mixture

We can run any mixture of beads at any time so we are not limited to predetermined profiles, allowing you to choose the agents you want to be tested.

No Experience Lost

Because we use the same antigen and have developed our own assay we have retained our vast experience gained with ELISA, ensuring continuity of results and consistency of interpretation.



Contact us

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