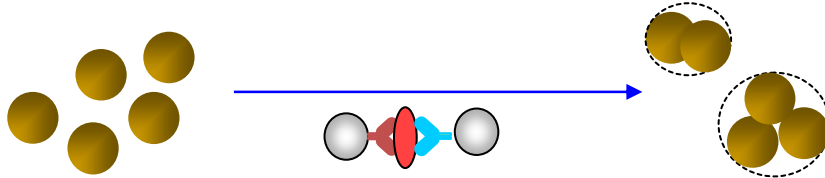


HOW IT WORKS?

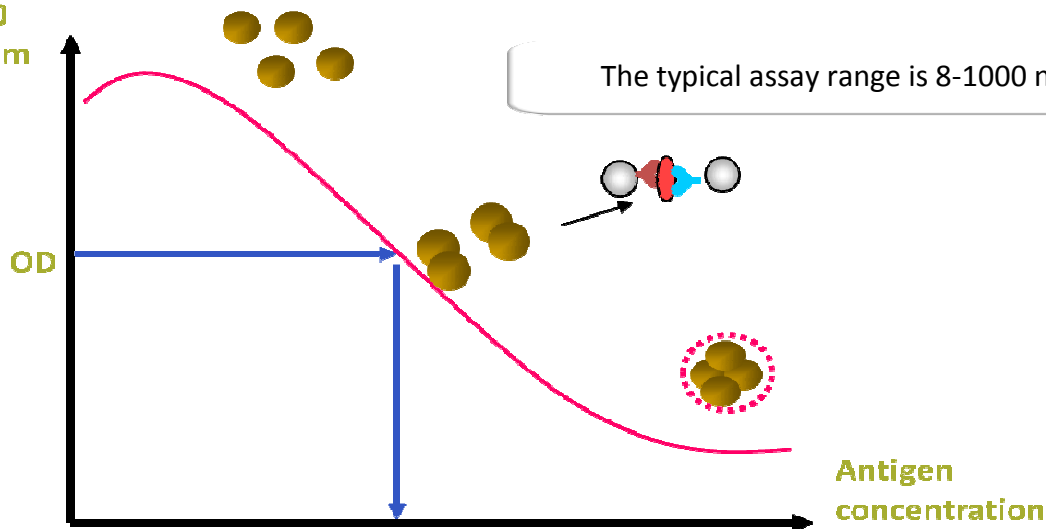
Single non-agglutinated submicron microspheres present a maximum of absorption at their λ max. The λ max depends on the refractive indices of both particles and environmental buffer, and on the diameter of the particles.



When sample is added, two or more microspheres bind to each antibody target via their coated specific polyclonal antibodies. The agglutinated spheres with larger apparent diameter results in proportional decrease in absorbance.

A QUANTITATIVE ASSAY

Absorbance
 $\lambda = 340$
or 405 nm



Generalized assay standard curve for Spherotest Antibody Assay Kits

MAIN ADVANTAGES

- **Faster and easier than ELISA:** Homogenous assay – Total incubation time: 10 minutes
- **Specificity:** Kit specific for particular species or class of immunoglobulins
- **Antibody-based method:** Measure concentration – No need to purify antibody
- **No special equipment needed:** Use conventional ELISA equipment
- **Sensitive:** Assay range: 8 - 1000 ng/ml
- **Reproducible:** CV < 5%

FASTER & EASIER THAN ELISA

Spherotest Antibody Assay Kits include antibody-sensitized microspheres to measure the specific concentration of mouse, rabbit and human antibodies by an easy and rapid microagglutination technique using standard microplates and UV-Vis plate reader (spectrophotometer).

Each kit is specific for a particular species and class of immunoglobulin and, unlike total protein assays, can specifically measure the concentration of target antibody in samples (e.g., serum, plasma, culture supernatant) that contain other proteins.

The kits are extremely sensitive, requiring very small sample volumes. Antibody concentration is determined from the assay response (absorbance) by comparison to a standard curve prepared using dilutions of a known antibody sample.

PRODUCT INFORMATION

Product ref.	Description
Sphe-S01	Spherotest anti-Mouse IgG
Sphe-S02	Spherotest anti-Rabbit IgG
Sphe-S10	Spherotest anti-Human IgG
Sphe-S10b	Spherotest anti-Human IgG gamma chain specific
Sphe-S11	Spherotest anti-Human IgM
Sphe-S12	Spherotest anti-Rabbit IgM
Sphe-SX	Personalized Assay

Pack size: 96 wells

LET US BUILD YOUR PERSONALIZED SPHEROTEST PROTEIN ASSAY!

As a Contract Service Provider, Indicia Biotechnology offers a [complete custom development service](#) that will enable you to measure your protein of interest in a precise and rapid manner.

[For more information, please contact us.](#)