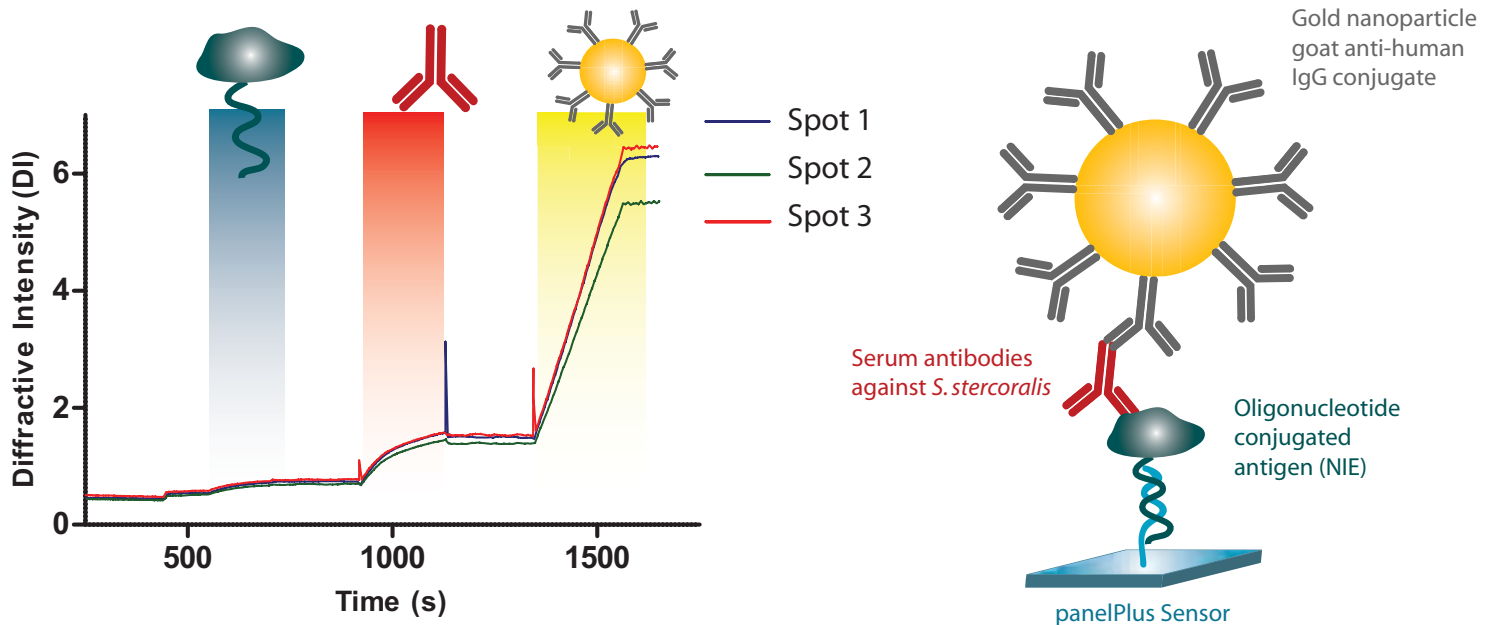


Development of Rapid and Sensitive Serological Assays

Rapid, sensitive and easy-to-use serological tests for the detection of pathogen-specific antibodies can facilitate the determination of infectious disease in near patient settings. Here, we demonstrate the development of a rapid serological test for the determination of *Strongyloides stercoralis* infection using the dotLab® mX System using a uniplex panelPlus™ sensor.



Highlights

- Rapid results (<30 minutes)
- Requires only 3.5 μ L of serum
- Gold nanoparticle-based signal amplification enables high sensitivity for serum antibody detection
- 3 spot monitoring on uniplex panelPlus Sensors™ provides simultaneous triplicate data
- Fully automated and simple to perform
- Multiplexed assays for infectious disease screening can be performed using Axela's triplex panelPlus™ Sensors
- A potential alternative to microscopic stool analysis or traditional ELISA-based serological tests, which either lack sensitivity or are too time consuming for potential point of care applications



dotLab®
mX SYSTEM

www.axela.com
info@axela.com

axela^x