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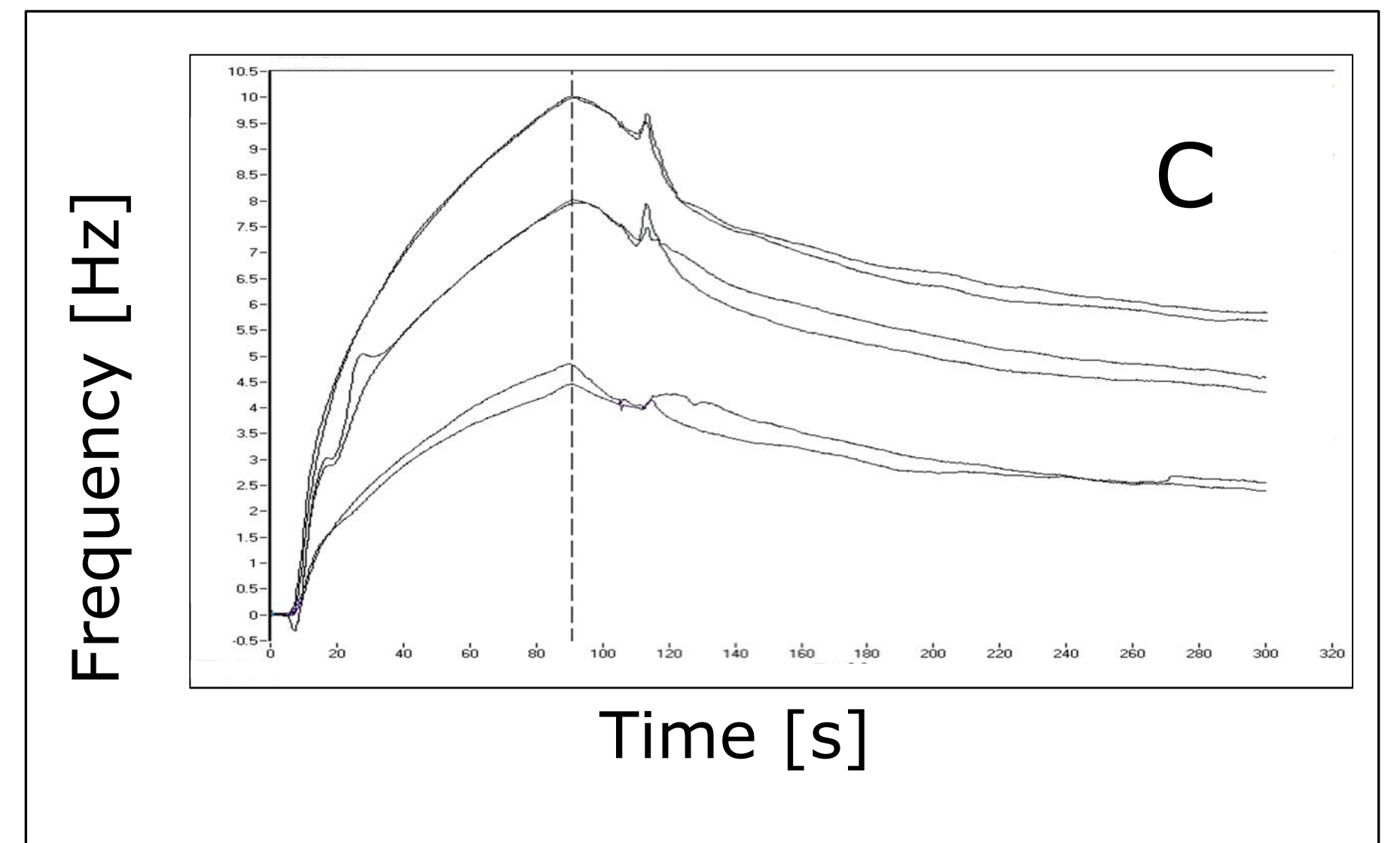
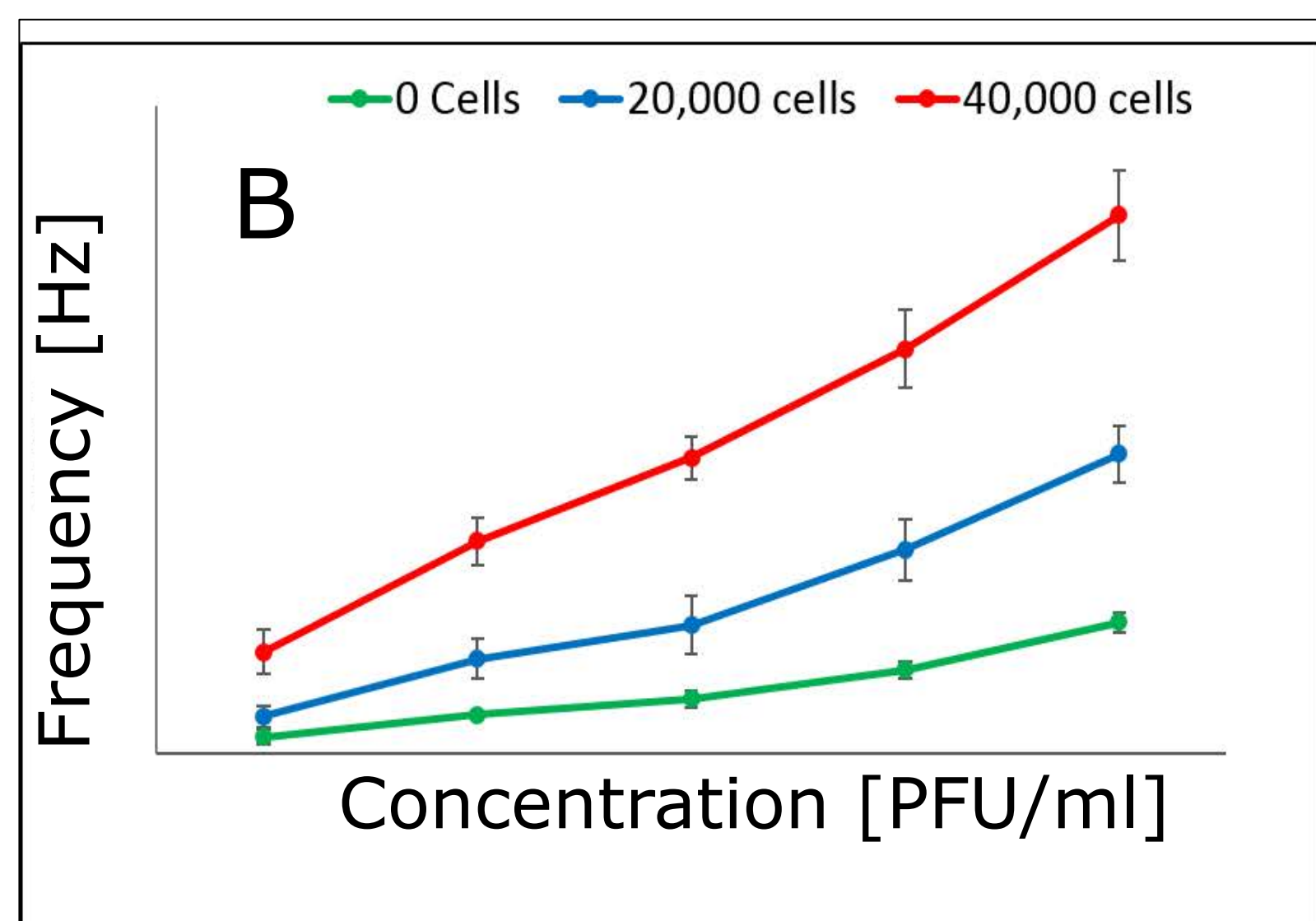
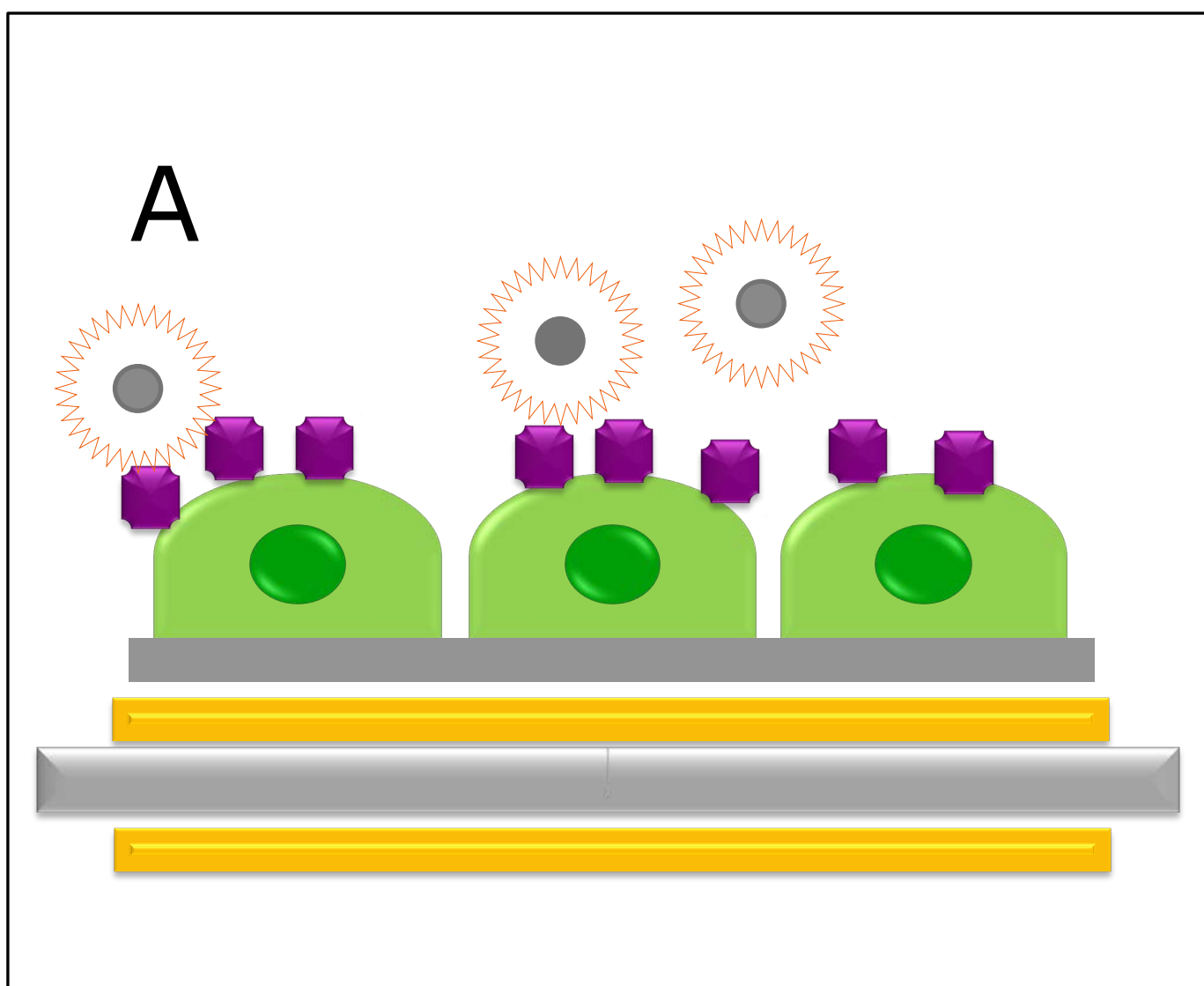
VIRUS predictions by Attana

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Detection of Virus

Dose response, affinity and kinetic rate constants



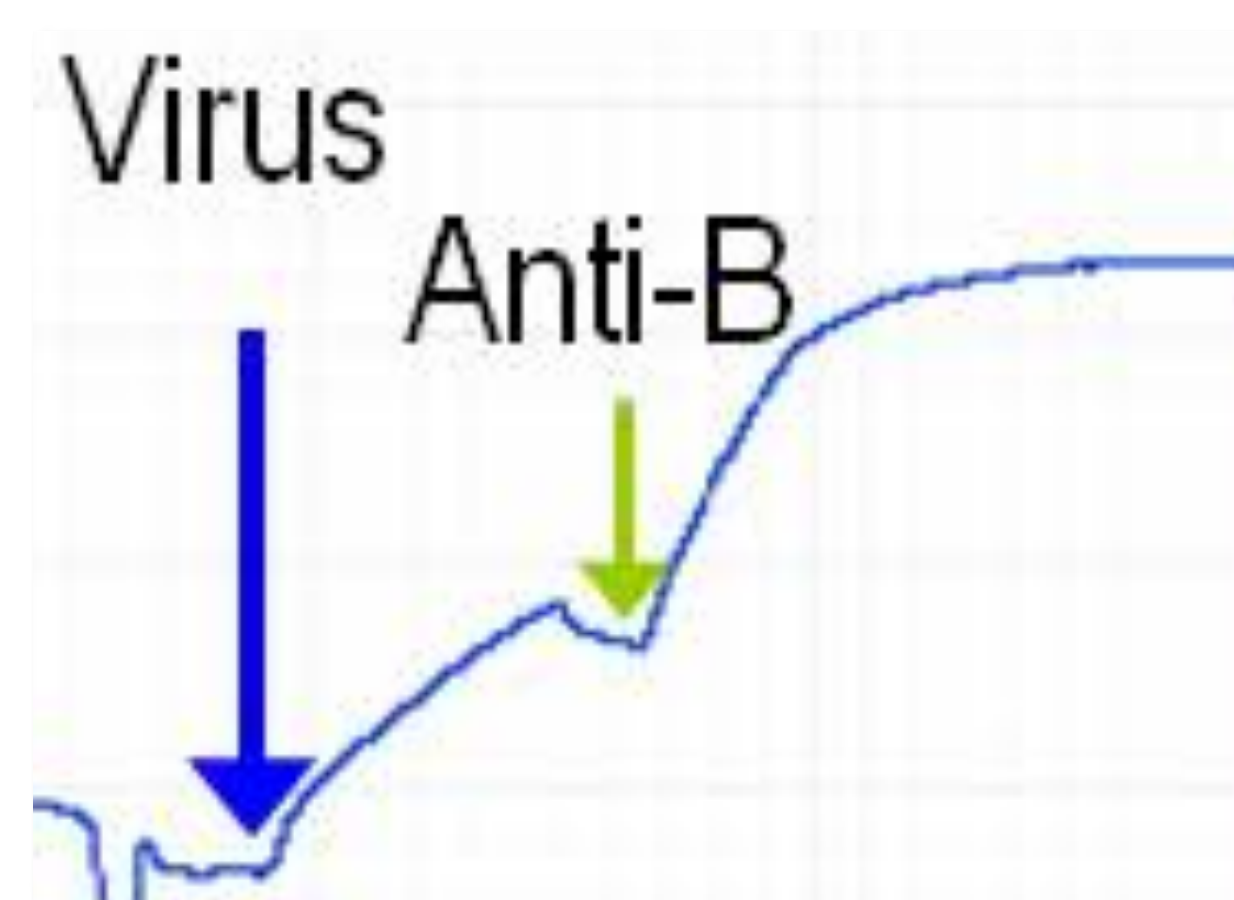
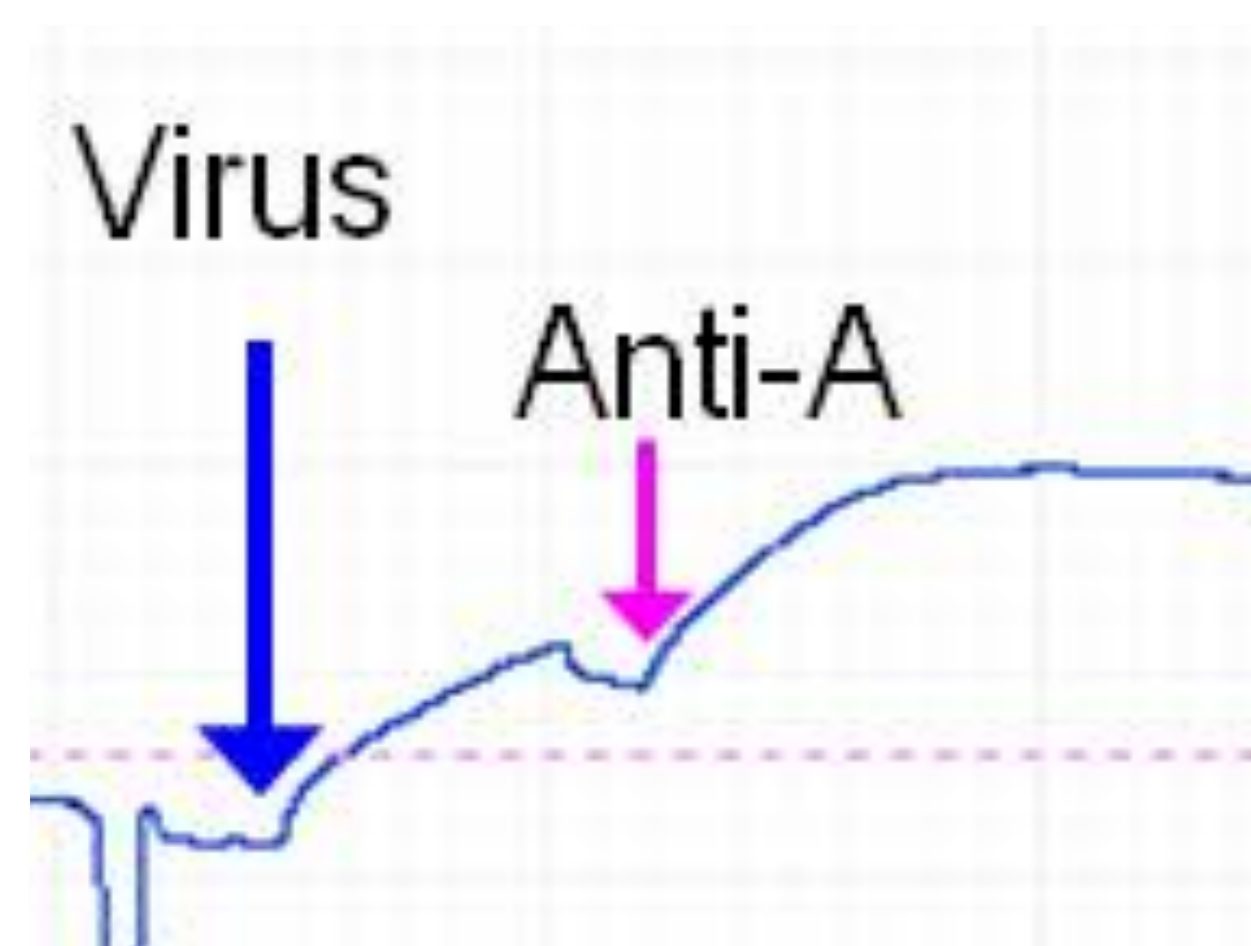
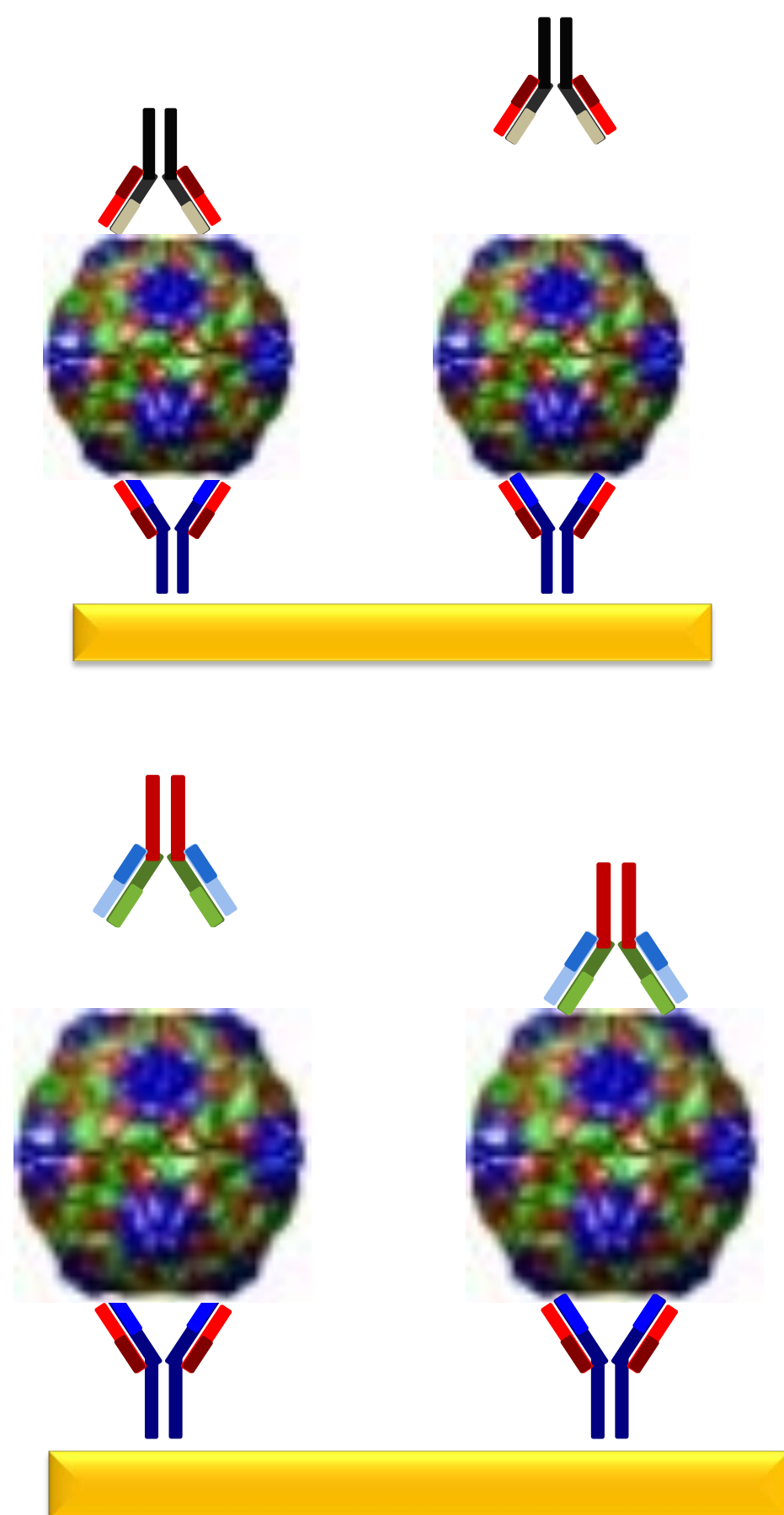
Interaction with target cells

A: Schematic assay.

B: Spiked sera injected over different numbers of target cells immobilized on Attana sensor chips demonstrating specificity and dose response.

C: Spiked sera injected at three concentrations in duplicates to determine affinity, kinetic rate constants and concentration.

Virus recognition and kinetics



Capturing & interaction characterisation

A: Schematic assay.

B: Injection and capturing of virus, followed by injection of antibody A and B respectively. Specific detection of virus or development of anti-virus antibodies providing affinity and kinetics



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Attana at a glance

Attana enables *in vivo* predictions used for selection and optimization of drug, vaccine and diagnostic candidates. This reduces the need for animal testing and results in efficient and cost-effective drug development.

Attana's proprietary QCM-based biosensor technology is applied to *in vitro* characterize interactions in a biologically relevant environment. The technology can shed light on interactions between biomolecules and virus, bacteria, cells or tissue, determine on- and off-target interactions and perform assays with crude samples and in sera. With the targets present in their natural environment, validation can be performed closer to *in vivo* conditions.

