Exercise: Design an ovulation test strip

With Answers

Using pregnancy test strip as an example, how can we design a test strip to test for ovulation?

Things to consider:

- Which antigen shall we target? Luteinising hormone
- What antibody shall we use to avoid cross reactivity with HCG hormone? Antibody against LH hormone β subunit

Label each component in the test strip.



LH hormone



Mouse monoclonal antibody against LH hormone β subunit



Mouse monoclonal antibody against LH hormone β subunit (binds to a different epitope to the one above)



Sheep anti-mouse IgG

