

Pregnancy testing

Antibodies and coloured dye.



What is inside a pregnancy test kit?

Monoclonal antibodies and pregnancy testing



Urine:
with or
without hCG
hormone

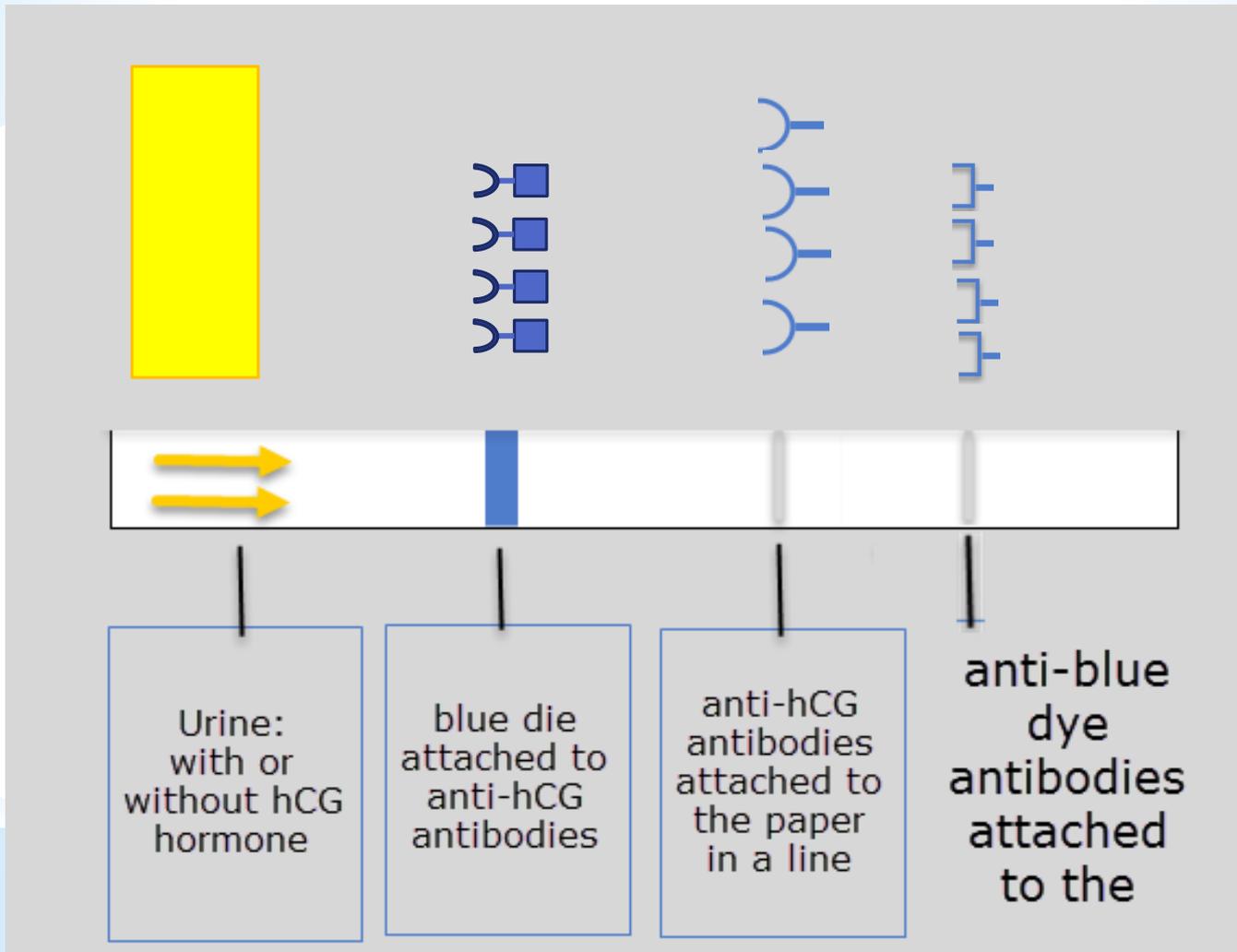
blue dye
attached to
anti-hCG
antibodies

anti-hCG
antibodies
attached to
the paper
in a line

anti-blue
dye
antibodies
attached
to the

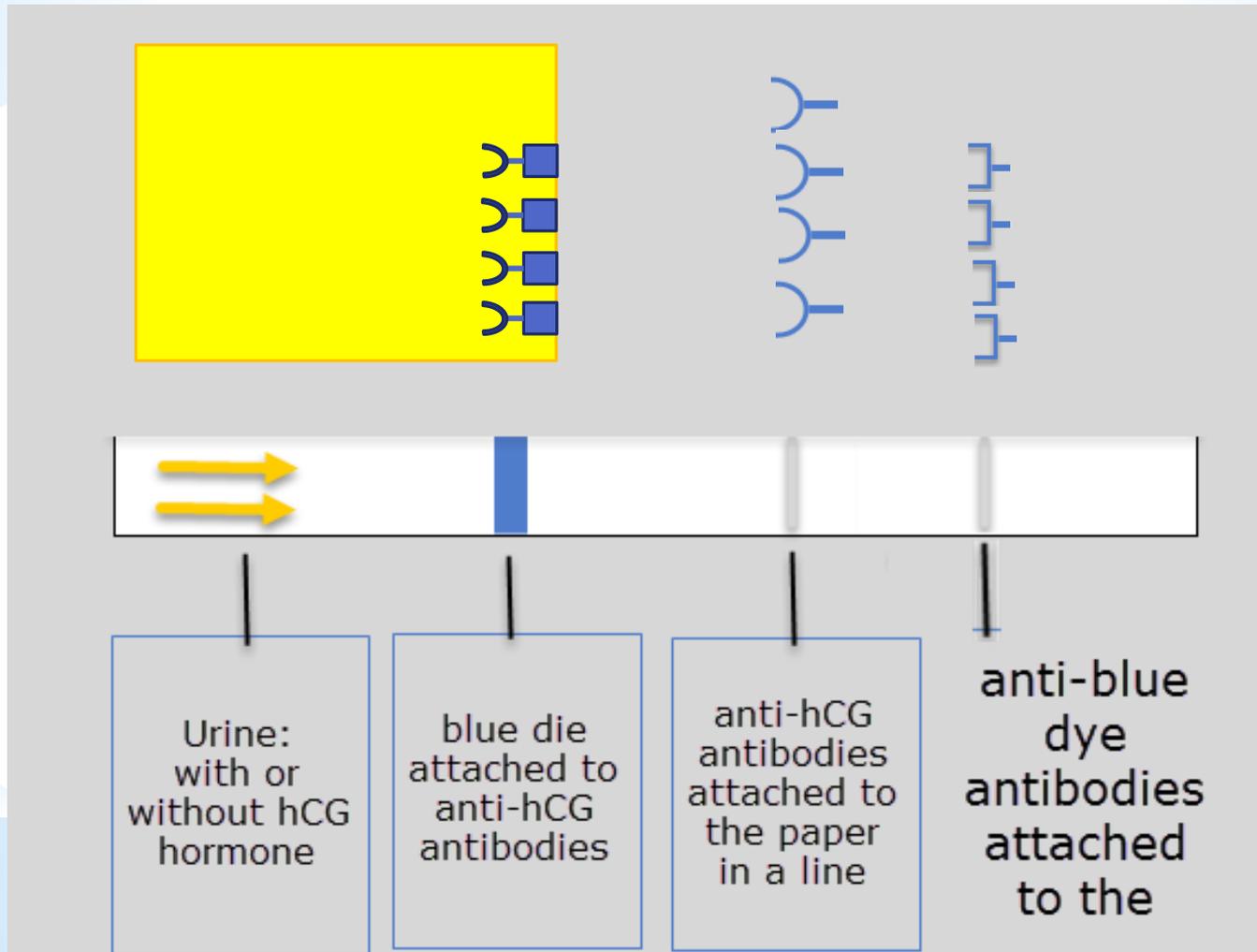
Not pregnant

Urine sample



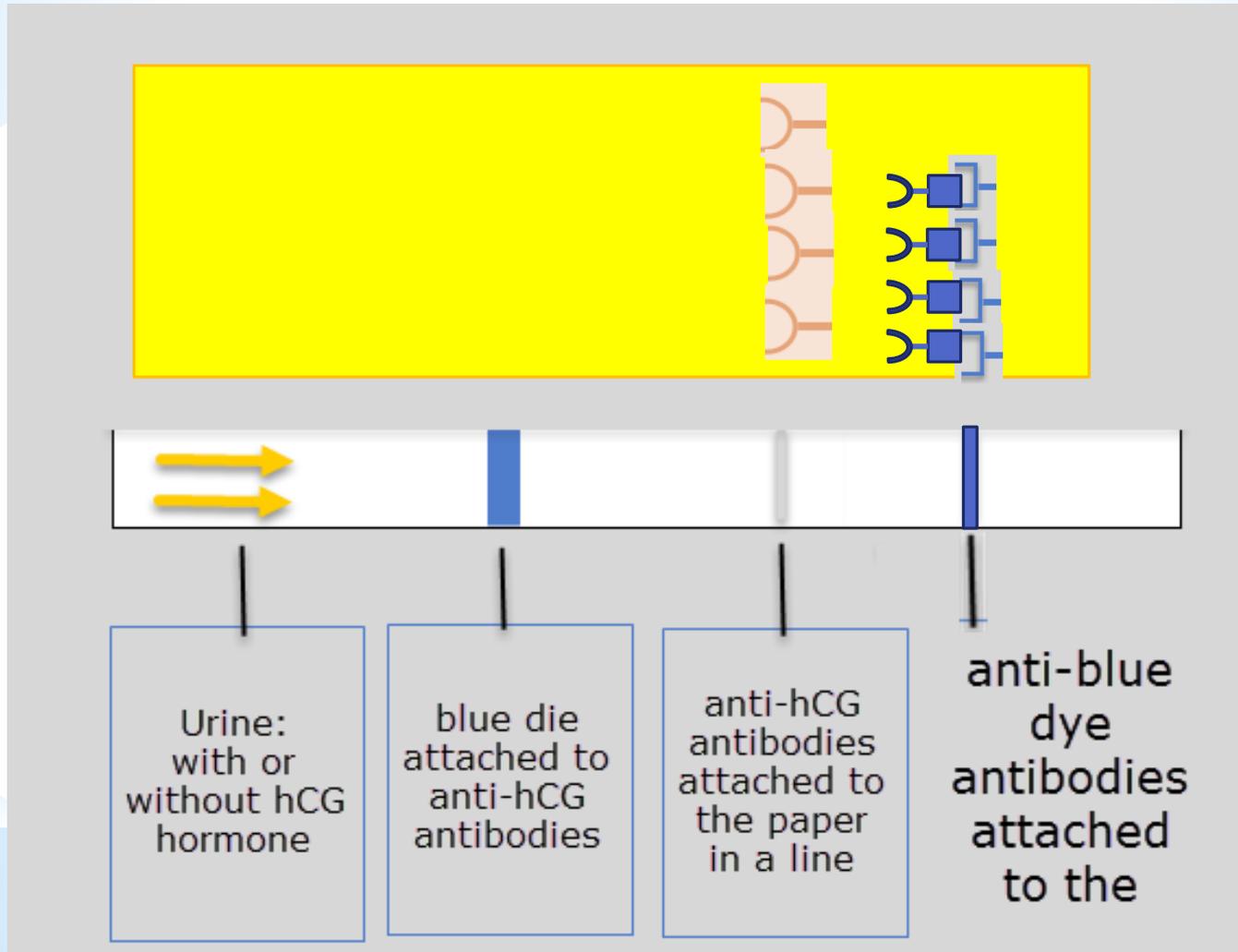
Not pregnant

Urine sample moves up the paper



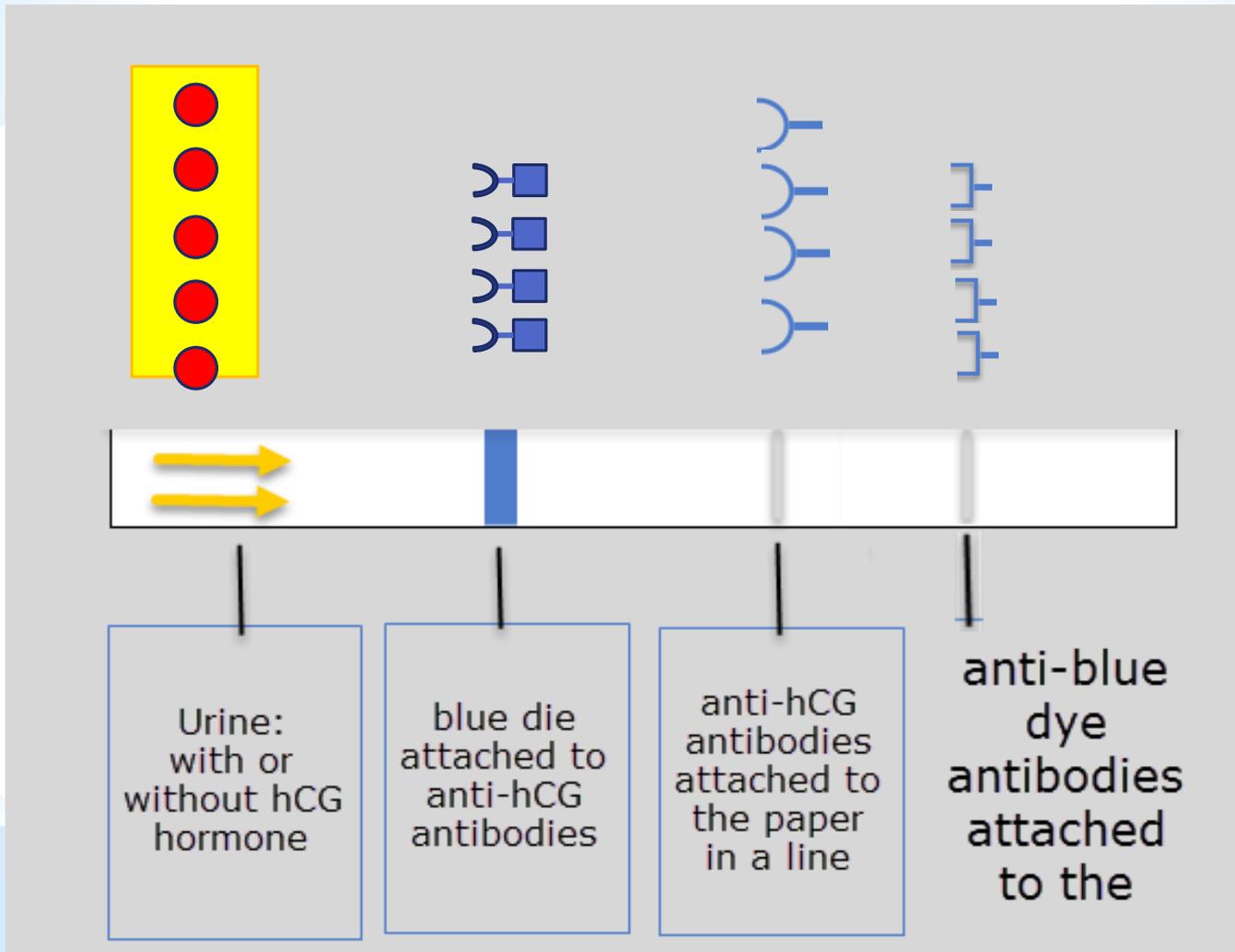
Not pregnant

Urine sample carries the blue hCG antibodies to the blue dye antibodies



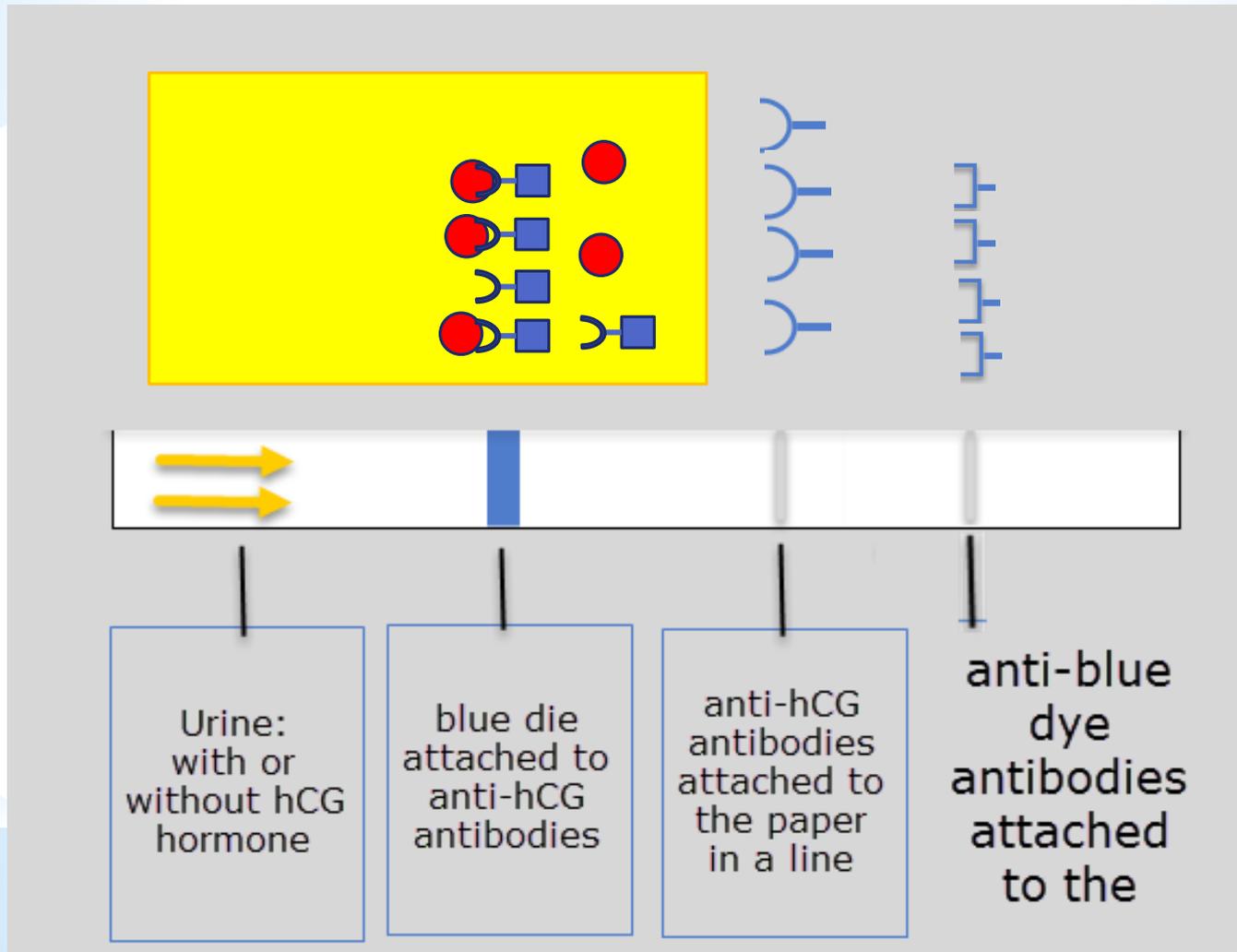
Pregnant

Urine sample with hCG hormone



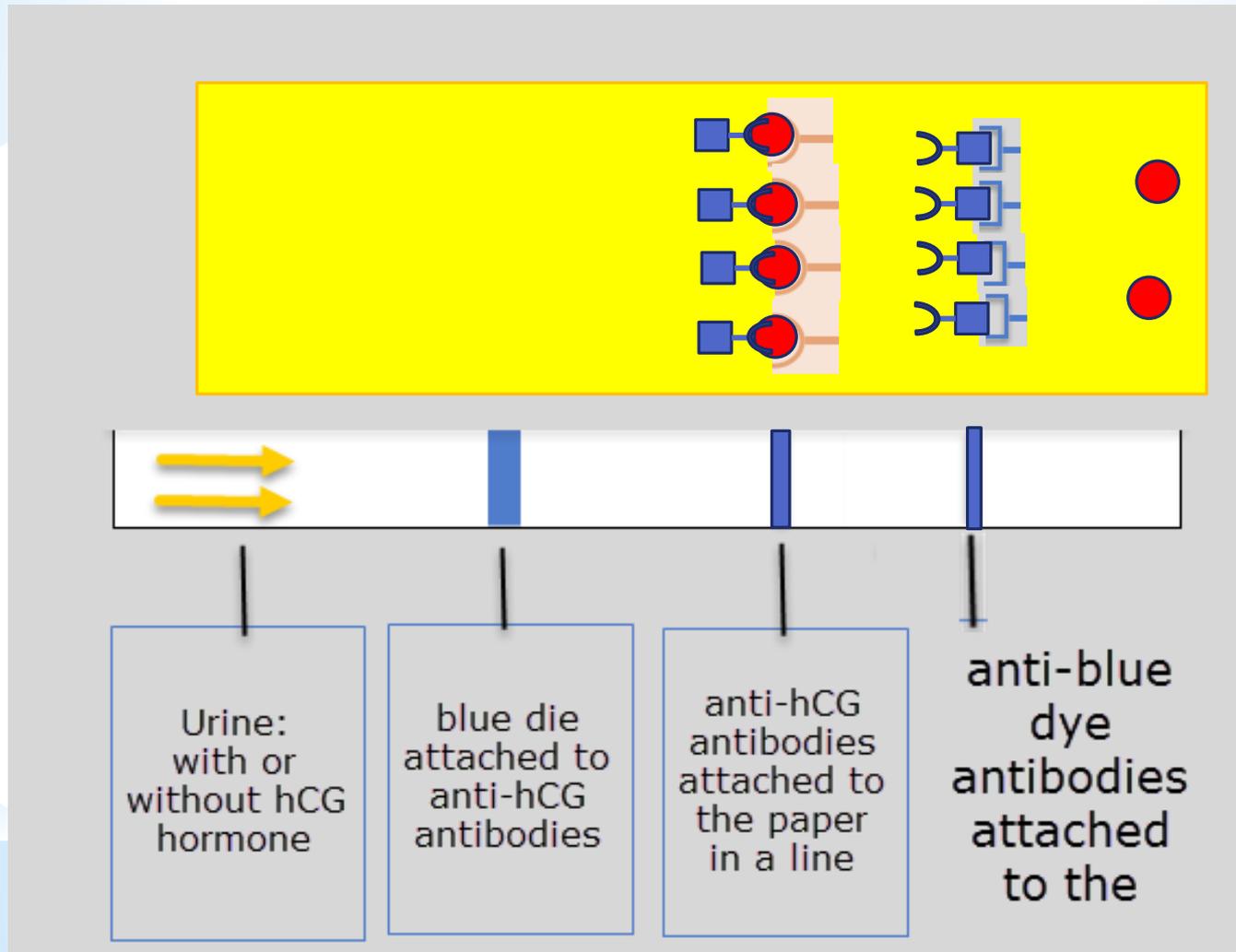
Pregnant

hCG molecules in urine attach to anti hCG antibodies



Pregnant

Both hCG antibodies & blue dye antibodies attach to molecules in urine



Understand the results

