

Human Blood Detection kit

This rapid screening test presumes that a bloodstain is of human origin and helps the Investigator to determine whether or not to collect a sample as evidence. A positive result indicates a strong likelihood that the bloodstain is indeed human, and a lab analysis will later confirm or deny that presumption. The Hexagon Obti test detects whole blood up to a dilution of 1:2,000,000. As few as 250 red cells are required for a positive result.



Detail

Human hemoglobin (hHb) in the sample reacts with a reagent consisting of red colored particles and monoclonal anti-human Hb antibodies. The immunocomplex migrates to the test zone where it is captured by an immobilized second antibody directed against hHb forming a pink test line to indicate a positive result. Unreacted reagents migrate further and are bound in a second line by immobilized anti-mouse IgC antibodies. This red control line indicates proper function and correct handling of the test.

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The new improved HEXAGON OBTI, easier to read thanks to its red lines is now capable of detecting 0.05 µg/ml hemoglobin and has a storage temperature up to 30°C.

False positives

- ✓ Positive results were obtained with blood from primates (gorilla, and of some Mustelidae (weasel, badger).
- ✓ The blood of the following animals did not react with the Hexagon OBTI : cattle, pig, sheep, goat, horse, rabbit, chicken, duck, goose, turkey, guinea pig, red deer, cat, dog.
- ✓ A positive result is not in itself an evidence of the presence of human blood but it indicates a high probability of its presence.