

Progesterone Assay Kit

Progesterone EIA Kit

CATALOG #
AAA71804

PRODUCT SYNONYMS

Progesterone; Progesterone EIA Kit; Progesterone Enzyme Immunoassay; Progesterone assay kit

PRODUCT SPECIFICATIONS

Procedural Notes	1. It is not necessary to allow reagents to warm to room temperature before use. 2. Desiccant bag must remain in foil pouch with unused strips. Keep pouch sealed when not in use to maintain a dry environment. Seal with a heat sealer. If a heat sealer is not available, thoroughly close the open end with tape. Try to remove excess air before sealing. 3. Always use different pipette tips for the buffer, enzyme conjugate, standards and samples. 4. Before pipetting a reagent, rinse the pipette tip three times with that reagent (i.e. fill the tip with the desired amount of reagent and dispense back into the same vial - repeat 2 times). Now the tip is properly rinsed and ready to dispense the reagent into your well or test tube. 5. When pipetting into the wells, DO NOT allow the pipette tip to touch the inside of the well, or any of the reagents already in the well - this can cause cross contamination. 6. Standards and samples should be assayed in duplicate. 7. To quantitate, always run a standard curve when testing samples. If testing a sample that is not extracted, dilute standards in the same type of medium being tested, which is known to be negative. 8. Gently mix specimens and reagents before use. Avoid vigorous agitation. 9. When using only partial amounts of a kit, it is recommended to transfer the appropriate volume of each reagent to a clean vessel for repeated dispensing. This will reduce reagent contamination by repeated sampling from the original container. 10. The enzyme conjugate is most stable in its concentrated form. Dilute only the volume necessary for the amount of strips currently being used. 11. Before taking an absorbance reading, wipe the outside bottom of the wells with a lint-free wiper to remove dust and fingerprints. 12. Before opening the enzyme conjugate and standard vial, tap vial in an upright position to remove any liquid in the cap.
Sample Preparation	1. Usually, urine and tissue culture supernatant can be assayed directly by diluting them with the diluted extraction buffer. Plasma and most other mediums will need to be extracted.
Preparation and Storage	4 degree C

ADDITIONAL INFORMATION

Related Product Information for Progesterone assay kit	Description: Progesterone is a C-21 steroid secreted by the corpus luteum and the placenta. It is an important intermediate in steroid biosynthesis in all tissues that secrete steroid hormones. Progesterone is responsible for the progestational changes in the endometrium and cyclic changes in the cervix and vagina. The plasma progesterone level is useful in investigating the luteal function and monitoring ovulation. Principle of assay: This is an ELISA (Enzyme-Linked Immunosorbent Assay) for the quantitative analysis of Progesterone levels in biological fluid. This test kit operates on the basis of competition between the enzyme conjugate and the Progesterone in the sample for a limited number of binding sites on the antibody coated plate. The sample or standard solution is first added to the microplate. Next, the diluted enzyme conjugate is added and the mixture is shaken and incubated at room temperature for one hour. During the incubation, competition for binding sites is taking place. The plate is then washed removing all the unbound material. The bound enzyme conjugate is detected by the addition of substrate which generates an optimal color after 30 minutes. Quantitative test results may be obtained by measuring and comparing the absorbance reading of the wells of the samples against the standards with a microplate reader at 650 nm. The extent of color development is inversely proportional to the amount of Progesterone in the sample or standard. For example, the absence of Progesterone in the sample will result in a bright blue color, whereas the presence of Progesterone will result in decreased or no color development.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/progesterone/71804>