

Product Information

Anti-Dehydroepiandrosterone (DHEA)

Developed in Rabbit
Whole antiserum

Product Number **D8886**

Product Description

Anti-Dehydroepiandrosterone (DHEA) is developed in rabbit using DHEA-15 α CH₂-CO-BSA as the immunogen.

Anti-Dehydroepiandrosterone is assayed for radioimmunoassay. It can be used for other applications, such as ELISA and immunohistochemistry.

Reagent

Anti-Dehydroepiandrosterone is supplied as lyophilized whole antiserum.

Reconstitution

To obtain number of tests indicated on vial reconstitute with 11 ml of 0.1 M phosphate buffered saline, pH 7.4, containing 0.1% gelatin and 0.01% sodium azide.

Storage/Stability

For continuous use, store at 2 °C to 8 °C for up to one month. For extended storage, freeze in working aliquots at -20 °C. Avoid repeated freezing and thawing. Do not store in a frost-free freezer. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

Procedure

Reagents

- 0.1 M Phosphate buffered saline, pH 7.4, containing 0.1% gelatin and 0.01% sodium azide.
- Dextran coated charcoal suspension: 5 grams of charcoal and 0.5 grams dextran in 1 liter of buffer A. It is important that the dextran be in solution before the addition of charcoal. The suspension should be stirred and kept at 0 °C in an ice-water bath for at least 30 minutes before and during use.

RIA Protocol

1. In polypropylene test tubes add
 - 0.1ml sample or standard,
 - 0.1ml tritiated tracer
 - 0.1ml diluted antiserum.
2. Stir gently.
2. Allow to equilibrate at room temperature for 30 minutes, then at least 15 minutes at 0 °C in an ice/water bath.
4. Add 1 ml cold dextran charcoal solution, keep in ice-water bath for 10 minutes.
5. Centrifuge at 2000 x *g* for 10 minutes at 4 °C.
6. Pipet supernatant from each tube into a scintillation vial. Add scintillation fluid to supernatant and determine the amount of radioactivity present in the supernatant.

Product Profile

In these conditions, the initial binding (B₀) in the absence of any standard, checked before and after lyophilization is unchanged. Unspecific binding is < 4%.

Note : If unspecific binding is more than 4 %, check validity date of the tracer, eventually tracer binding kinetic with charcoal or check again charcoal dextran solution. It is important that the dextran charcoal mixture should be stirred and also kept at 0 °C (water/ice) at least 30 minutes before using.

Reference

1. Kouznetzva, B., and Dray, F., Specific antisera to androstane diols : Influence of the type of bridge and position of coupling, J. Steroid Biochem, 9 pp.349-352. (1978),

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