

Product Information

Testosterone Receptor Preparation, Human

Product Number **T 4324**

Product Description

Testosterone Receptor Preparation, human is a frozen aliquot of membranes from LnCAP cells which express the human testosterone receptor.

Reagent

Testosterone Receptor Preparation, human membranes are suspended in 25 mM HEPES containing 1 mM EDTA, 10% glycerol, 10 mM Na molybdate (pH 7.4 at 25°C).

Procedure

Thaw vials quickly; dilute with incubation buffer; homogenize; store on ice until addition to assay tubes

Incubation buffer:

25 mM HEPES (pH 7.4 at 25°C) containing 1 mM EDTA, 10% glycerol, 10 mM Na molybdate

Binding Protocol

Membranes:

Dilute in incubation buffer (0.2 mL of membrane + 20 mL incubation buffer).

Assay mixture:

200 μ l diluted membranes
25 μ l radioligand
25 μ l buffer or unlabeled ligand

Radioligand:

[³H] R1881 (methyltrienolone) at a final concentration of 0.5 nM for competition studies.

Unlabeled ligand:

R1881 at a concentration of 700 nM

Incubation time:

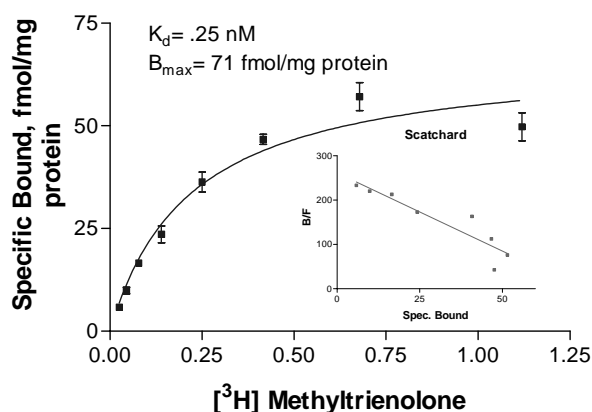
18-22 hours at 4°C

Separation:

Charcoal/dextran capture of unbound ligand

Results

Typical results using standard binding assay above. Results may vary from lot to lot.



Storage/Stability

Store tightly sealed at -70 °C. The receptor can retain its original specific activity for several months when stored at -70 °C in its original packing solution. Repeated freeze-thaw of this product is not recommended.

Precautions

While no human toxicity data is available for this substance, it should be handled with care. Precautions should be taken to avoid contact by all routes of exposure.

References

1. Traish, A.M., et al., *Endocrinology*, **118**, 1327-1333 (1986).
2. Zava, D.T., et al., *Endocrinology*, **104**, 1007-1012 (1979).

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