

IMMUNOASSAY WITH LABELED THYRONINE HAPTEN ANALOGUES

Abstract

The invention is directed to an immunoassay for a thyronine derivative comprising:

A. contacting a liquid sample, containing a thyronine derivative, with a labeled thyronine hapten analogue of the derivative in the presence of antibodies for the thyronine derivative under conditions that promote the formation of antibody-thyronine immunocomplexes; and.

B. determining the bound or unbound quantity of the thyronine derivative in the liquid; characterized in that the labeled thyronine derivative comprises:

- (i) a label, of the type used in immunoassays, having an amine or sulfhydryl group;
- (ii) a thyronine nucleus and.
- (iii) a linking chain linking the label to the thyronine nucleus.