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RESUMEN

PREPARATION OF ^{125}I LABELED BIOSYNTHETIC HUMAN PROINSULIN (hPI) FOR RADIOIMMUNOASSAY (RIA).

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This work was done with the purpose of preparing a tracer of high quality for use in the proinsulin RIA. The hPI, generously supplied by Eli Lilly and Company, was radioiodinated using Iodogen-coated tubes and purified by anion exchange chromatography. A sample of the radioiodination mixture and of the peak-related fractions from the tracer purification was checked for ^{125}I incorporation by the trichloroacetic acid precipitation and identified through analysis on polyacrylamide gel electrophoresis. These fractions were also evaluated by their reactivity to excess of antiserum raised in guinea pig immunized with the hPI. The conclusion of the results thus obtained is that the antigen and the iodination and purification techniques employed proved to be suitable for the tracer preparation, giving an unaltered and immunoreactive radioiodinated hormone, even after a 3-month storage in frozen solution. This ^{125}I -hPI is being used in the assessment of the specific antisera for the RIA, in development at our laboratory.

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- - AUTORES

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- APLICACIONES CLINICAS:

- Osteoarticular
- Cardiovascular
- Gastroenterología
- Neurología
- Nefrourología
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ENVIAR RESUMEN EN ORIGINAL Y 2 COPIAS A:

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REQUISITOS AUDIOVISUALES:

- 1 Proyector
- 2 Proyectores
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