

Vânia Caira Borghi, Lin Hui Lin and Renato Di Dio. Instituto de Pesquisas Energéticas e Nucleares, São Paulo, SP, Brasil.

The aim of this work is to assess the quality control of the hTSH radioiodinated at the laboratory of the Medical Division of our institution for RIA use. The hTSH was supplied by the NIADDK (USA) and labeled by the Chloramine T technique and purified on Sephadex G 100 to a specific activity of 53,70 $\mu\text{Ci}/\mu\text{g}$ (mean value revealed by 8 tracers). The RIA was set up in the laboratory according to the technique described by Borghi and Bartolini and modified by the use of a second antiserum in the assay separation. Our ^{125}I -hTSH preparations were tested together with commercial ones produced by Radioassay Systems Laboratories (USA) in the same RIA system, showing parallels stand curves and comparable results for NSB, Bo, ID_{50} and for internal quality control samples, with a high significant correlation ($p < 0.001$). Therefore, the quality of the tracer prepared at our laboratory was confirmed, allowing our institution to begin its production and distribution, in order to substitute importations.

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