



Triathler in Radioimmunoassay RIA

Key words: NaI (TI), ¹²⁵I, radioimmunoassay

Triathler Multilabel tester™ includes a NaI(Tl) crystal which enables direct counting of gamma isotopes, such as ¹²⁵I which is widely used in RIA

Applicability of Triathler for RIA was proven with three different analytes (kits) from Orion Diagnostica (Finland).

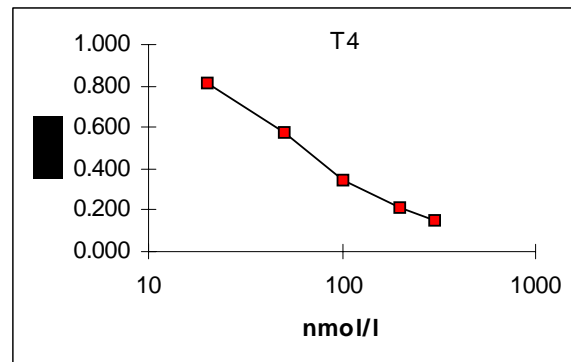
SPECTRIA T4 [125I] Radioimmunoassay

SPECTRIA TSH IRMA [125I] Immunoradiometric Assay

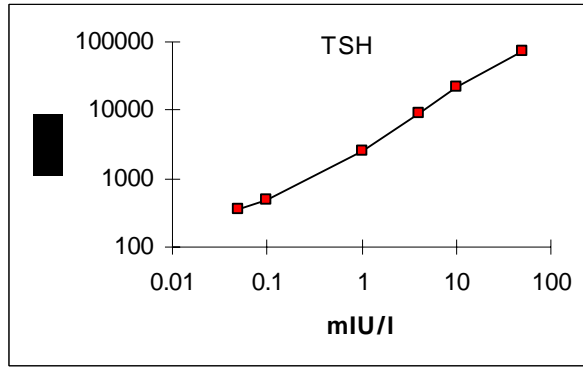
SPECTRIA Estradiol [125I] Radioimmunoassay

All the kits were based on coated tube principle. Assays were performed according to the kit instructions. The results for standard curves are attached. Counting time was 3 min for all samples.

T4		
nmol/l	CPM	B/B0
TOT	50936	
0	33485	1
20	27116	0.810
50	19195	0.573
100	11564	0.345
200	6976	0.208
300	4915	0.147



TSH	
mIU/l	CPM
TOT	129632
0	240
0.05	365
0.1	491
1	2550
4	8944
10	21261
50	71361



ESTRADIOL		
pmol/l	CPM	B/B0
TOT	20408	
0	11007	1
50	9549	0.868
150	8538	0.776
500	5877	0.534
1500	3169	0.288
5000	1689	0.153
15000	722	0.066

