

## Radiimmunoassay In Vitro Diagnostics

Tumor Markers

Item	Sample(ul)	Incubation (Hours)	Standard Range	Normal Range	Sensitivity	Expiry Min. (Days)	Manufacturer
CA19-9 IRMA	100	1 + 1	0 – 240 U/ml	< 37	0.1 U/ml	60	IZOTOP
CA125 IRMA	100	2	0 – 500 U/ml	< 35	1.08 U/ml	60	IZOTOP
CA15-3 IRMA	10	1	0 – 300 U/ml	< 30	1.35 U/ml	60	IZOTOP
CA72-4 IRMA	100	2 + 18~22	3 – 100 U/ml	< 4	1.94 U/ml	60	IZOTOP
CYFRA 21-1 IRMA	100	18~22	0 – 60 ng/ml	< 2	0.24 ng/ml	60	IZOTOP
AFP (alpha fetoprotein) IRMA	50	2	0 – 500 IU/ml	male: 0.47 – 5.39 female: 0.37 – 4.41	0.06 IU/ml	60	IZOTOP
hCEA (human carcinoembryonic antigen) IRMA	50	1	0 – 180 ng/ml	non-smoker : < 3.0 smoker : < 5.0	0.05 ng/ml	60	IZOTOP
PSA (prostate specific antigen) IRMA	25	1	0 – 100 ng/ml	< 3.0	0.035 ng/ml	60	IZOTOP
Free PSA (free prostate specific antigen) IRMA	50	2	0 – 30 ng/ml	< 0.3	0.011 ng/ml	60	IZOTOP

Thyroid Fuctions

Item	Sample(ul)	Incubation (Hours)	Standard Range	Normal Range	Sensitivity	Expiry Min. (Days)	Manufacturer
T3 (triiodothyronine) RIA	50	1	0 – 780 ng/dl	81 – 197 ng/dl	0.3 nmol/l	60	IZOTOP
Turbo TSH (thyroid stimulating hormone) IRMA	100	30"	0 – 100 µIU/ml	0.3 – 4.00 µIU/ml	0.005µIU/ml	60	IZOTOP
FT4 (free thyroxine) RIA	50	1	0 – 6.2 ng/ml	0.80 – 1.77 ng/dl	0.7 pmol/l	60	IZOTOP
FT3 (free triiodothyronine) RIA	100	1	0 – 2.6 ng/dl	0.24 – 0.55 ng/dl	0.003 ng/dl	60	IZOTOP
Anti-hTG (anti-human thyroglobulin) RIA	100	2	0 – 3000 IU/ml	< 100 IU/ml	8.6 IU/ml	60	IZOTOP
Anti-TPO (anti-thyroid peroxidase) RIA	10	2	0 – 1900 IU/ml	< 25 IU/ml	2.4 IU/ml	60	IZOTOP
hCalcitonin IRMA	100	16~24	0 – 2000 pg/ml	male: <15 pg/ml female: <10 pg/ml	< 3pg/ml	60	IZOTOP

Protein Hormones

Item	Sample(ul)	Incubation (Hours)	Standard Range	Normal Range	Sensitivity	Expiry Min. (Days)	Manufacturer
hLH (human luteinizing hormone) IRMA	100	1	0 – 150 mIU/ml	male : 1.9–9.4 female : – Ovulatory Peak : 25–94 – Pre- and postovulatory : 0.7–9.0 – postmenopausal : 13–80	0.05 mIU/ml	60	IZOTOP
hPRL (human prolactin) IRMA	100	1	0 – 160 ng/ml	men : 2 – 14 women : 3 – 20 menopause : 2 – 15	0.04 ng/ml	60	IZOTOP

Others

Item	Sample(ul)	Incubation (Hours)	Standard Range	Normal Range	Sensitivity	Expiry Min. (Days)	Manufacturer
C-peptide	50	3	Serum : 0 - 30 ng/ml  Urine : 0-300 ng/ml	fasting morning sera(N=27) 1.07-3.51 morning urine 2.72-78.3 daily sera 1.37-11.8	0.0056 ng/ml	60	IZOTOP
Insulin	100	2	0 - 500 $\mu$ IU/ml	fasting : 1-30 post pandrial : 3-67	0.6 $\mu$ IU/ml	60	IZOTOP
Ferritin	40	1	0 - 1000 ng/ml	male(19-64) : 17 - 321 female(19-49) : 6 - 111 female(50-66) : 7 - 172	0.6 ng/ml	60	IZOTOP

- 상기 스펙은 제조사의 사정(성능개선 등)에 따라 변경될 수 있음.