

# Immunoassay Business Unit



Our Immunoassay Business Unit provides in vitro diagnostics, laboratory kits that are essential tools in diagnostic and research activities. Our Radioimmunoassay kits are reliable and provide accurate results in endocrinology, oncology, autoimmunity etc.

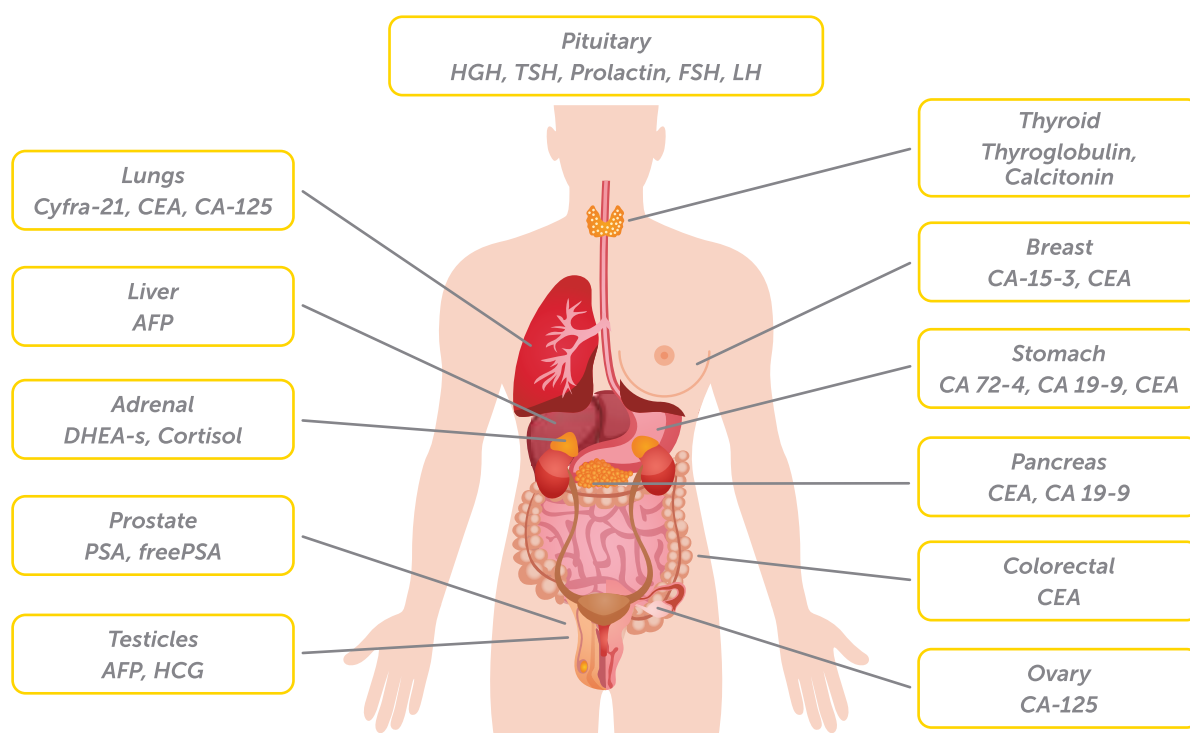
Besides being key participant on the market for many years, we are also engaged in product development projects and offer contract manufacturing, OEM services for our customers.



## Tumour markers

Product name	Code	Separation method	Pack size (Tests)	Sample volume (µl)	Calibrator range	Incubation (Hours)	Analytical Sensitivity or LoD	Shelf life (days)
AFP [I-125] IRMA KIT	RK-800CT	coated tube	100	50	0 - 500 IU/mL	2	0.06 IU/mL	60
hCEA [I-125] IRMA KIT	RK-38CT	coated tube	100	50	0 - 180 ng/mL	1	0.09 ng/mL	60
hPSA [I-125] IRMA KIT	RK-10CT	coated tube	100	25	0 - 100 ng/mL	1	0.09 ng/mL	60
free PSA [I-125] IRMA KIT	RK-85CT	coated tube	100	50	0 - 30 ng/mL	2	0.05 ng/mL	60
CA 15-3 [I-125] IRMA KIT	RK-153CT RK-153CT50	coated tube	100 50	10	0 - 300 U/mL	1 + 1	1.35 U/mL	60
CA 19-9 [I-125] IRMA KIT	RK-199CT RK-199CT50	coated tube	100 50	100	0 - 240 U/mL	1 + 1	1.85 U/mL	60
CA125 [I-125] IRMA KIT	RK-125CT RK-125CT50	coated tube	100 50	100	0 - 500 U/mL	2	1.08 U/mL	60
CA 72-4 [I-125] IRMA KIT	RK-724CT RK-724CT50	coated tube	100 50	100	3 - 100 U/mL	2 + overnight	1.94 U/mL	60
CYFRA 21.1 [I-125] IRMA KIT	RK-211CT RK-211CT50	coated tube	100 50	100	0 - 60 ng/mL	overnight	0.14 ng/mL	60
hCalcitonin [I-125] IRMA KIT	RK-83CT	coated tube	100	100	0 - 2000 pg/mL	overnight	1.21 pg/mL	67
hTG [I-125] IRMA KIT	RK-51CT	coated tube	100	100	0 - 250 ng/mL	overnight	0.1 ng/mL	67

One of the primary advantages of using RIA for tumor marker analysis is its exceptional sensitivity. RIA can detect tumor markers in extremely low concentrations. Each tumor marker has its own specificity and sensitivity, making it suitable for particular cancer types or stages. By utilizing a panel of tumor markers, clinicians can obtain a comprehensive profile of the patient's disease status



# Diabetes



Product name	Code	Separation method	Pack size (Tests)	Sample volume (μl)	Calibrator range	Incubation (Hours)	Analytical Sensitivity or LoD	Shelf life (days)
hC-peptide [I-125] IRMA KIT	RK-84CT	coated tube	100	50	0-30 ng/m L	3	5.6 pg/mL	60
INSULIN [I-125] IRMA KIT	RK-400CT	coated tube	100	100	0-500 μIU/m L	2	1.23 μIU/mL	67
Anti-GAD65 [I-125] RIA KIT	RK-40P50 RK-40P100	Protein A separation	50 100	20	0.1-120 U/mL	2+1	0.1 U/mL	67
Anti-IA2 [I-125] RIA KIT	RK-20P50 RK-20P100	Protein A separation	50 100	20	0.01-60 U/mL	18-24 + 1	0.1 U/mL	67
IAA [I-125] RIA KIT	RK-50P50 RK-50P100	Protein A separation	50 100	20	0-50 U/mL	18-24 + 1	0.12 U/mL	60

# Thyroid function

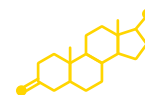


Product name	Code	Separation method	Pack size (Tests)	Sample volume (μl)	Calibrator range	Incubation (Hours)	Analytical Sensitivity or LoD	Shelf life (days)
TURBO TSH [I-125] IRMA KIT	RK-1CT1 RK-1CT5	coated tube	100 50	100	0 - 100 μIU/mL	0.5	0.036 μIU/mL	67
Anti-hTG [I-125] RIA KIT	RK-8CT	coated tube	100	100	0 - 3000 IU/mL	2	8.29 IU/mL	67
hTG [I-125] IRMA KIT	RK-51CT	coated tube	100	100	0 - 250 ng/mL	overnight	0.1 ng/mL	67
hCalcitonin [I-125] IRMA KIT	RK-83CT	coated tube	100	100	0 - 2000 pg/mL	overnight	1.21 pg/mL	67
Anti-hTPO [I-125] RIA KIT	RK-36CT	coated tube	100	10	0 - 1900 IU/mL	2	7.26 IU/mL	67
FT4 [I-125] RIA KIT	RK-349CT	coated tube	100	50	0 - 80 pmol/L	1	1.28 pmol/L	67
T4 [I-125] RIA KIT	RK-11CT1	coated tube	100	25	0 - 320 nmol/L	2	7 nmol/L	67
FT3 [I-125] RIA KIT	RK-339CT	coated tube	100	100	0 - 40 pmol/L	1	0.78 pmol/L	67
T3 [I-125] RIA KIT	RK-609CT	coated tube	100	50	0 - 12 nmol/L	1	0.32 nmol/L	67
T3 UPTAKE [I-125] RIA KIT	RK-950CT	coated tube	100	20	-	1	-	67
TRAK [I-125] 1step RIA KIT*	RK-30CT	coated tube	100	100	0.1- 50 IU/mL	2	0.38 IU/mL	67

\* available outside Europe only



# Steroids



Product Name	Code	Separation Method	Pack Size (Tests)	Sample volume (μl)	Calibrator range	Incubation (Hours)	Analytical Sensitivity or LoD	Shelf life (days)
TESTOSTERONE [I-125] RIA KIT	RK-61CT	coated tube	100	25	0-60 nmol/L	2	0.14 nmol/L	60
CORTISOL [I-125] RIA KIT	RK-240CT	coated tube	100	10	0 -1600 nmol/L	2	2.9 nmol/L	60
PROGESTERONE [I-125] RIA KIT	RK-460CT	coated tube	100	20	0 -120 nmol/L	1	0.11 nmol/L	60
DHEA-SO4 [I-125] RIA KIT	RK-620CT	coated tube	100	10	0 -30 μmol/L	1	0.064 μmol/L	60

# Serum proteins



Product Name	Code	Separation Method	Pack Size (Tests)	Sample volume (μl)	Calibrator range	Incubation (Hours)	Analytical Sensitivity or LoD	Shelf life (days)
PAPP-A [I-125] IRMA KIT	RK-4CT	coated tube	100	10	0-45 μg/mL	2	0.0143 μg/mL	60
hGH [I-125] IRMA KIT	RK-5CT	coated tube	100	50	0-100 μIU/mL	2	0.04 μIU/mL	60
SHBG [I-125] IRMA KIT	RK-86CT	coated tube	100	10	0-250 nmol/L	2	0.11 nmol/L	60
hLH [I-125] IRMA KIT	RK-750CT	coated tube	100	100	0-150 mIU/mL	1	0.09 mIU/mL	60
hPRL [I-125] IRMA KIT	RK-780CT	coated tube	100	100	0-170 ng/mL	1	0.12 ng/mL	60
hFSH [I-125] IRMA KIT	RK-790CT	coated tube	100	100	0-150 mIU/mL	1	0.08 mIU/mL	60
Ferritin [I-125] IRMA KIT	RK-900CT	coated tube	100	40	0-1000 ng/mL	1	0.6 ng/mL	60
βhCG [I-125] IRMA KIT	RK-760CT	coated tube	100	50	0 - 1000 mIU/mL	2	0.651 mIU/mL	60
FREE β-hCG [I-125] IRMA KIT	RK-820CT	coated tube	100	50	0 - 100 mIU/mL	1 + 1	0.02 mIU/mL	60

# IVD kits in animal research



Most of our in vitro diagnostic tests are designed for use with human samples, but some analytes are not species-specific. Analytes such as steroid hormones (Cortisol, Progesterone, Testosterone), and thyroid hormones (T3, T4, FT3, FT4) are identical across many animal species and can be measured successfully using our immunoassay kits intended for human samples.

Izotop in vitro diagnostic RIA kits have been successfully used by many investigators worldwide as a valuable support to animal science research.

Visit our website for a detailed list of publications.  
<https://www.izotop.hu/research-immunoassay-kits/>



# Research Immunoassay kits

## ▶ Rat hormones and human Complements

Product code	Product name	Pack Size (Tests)
RK-554	rTSH (rat thyroid stimulating hormone) RIA kit	120
RK-554Cset	rTSH (rat thyroid stimulating hormone) RIA kit Control set	–
RK-547	rInsulin RIA kit	120
RK-547CT	rInsulin IRMA kit coated tube version	100
RK-548	rCorticosterone RIA kit	120
RK-548CT	rCorticosterone RIA kit coated tube version	100
RK-550	rFSH (rat follicle stimulating hormone) RIA kit	120
RK-550Cset	rFSH (rat follicle stimulating hormone) RIA kit Control set	-
RK-551	rGH (rat growth hormone) RIA kit	120
RK-551Cset	rGH (rat growth hormone) RIA kit Control set	-
RK-552	rLH (rat luteinizing hormone) RIA kit	120
RK-552Cset	rLH (rat luteinizing hormone) RIA kit Control set	-
RK-553	rPRL (rat prolactin) RIA kit	120
RK-553Cset	rPRL (rat prolactin) RIA kit Control set	-
RK-518	C3a (human complement C3a des Arg) RIA kit	150
RK-518Cset	C3a (human complement C3a des Arg) RIA kit Control set	-
RK-519	C4a (human complement C4a des Arg) RIA kit	150
RK-519Cset	C4a (human complement C4a des Arg) RIA kit Control set	-
RK-520	C5a (human complement C5a des Arg) RIA kit	150
RK-520Cset	C5a (human complement C5a des Arg) RIA kit Control set	-

## I-125 labelled compounds for research

For more information please visit our website

<https://www.izotop.hu/other-i-125-labelled-compounds>



125 |

Over  
**50** YEARS  
of expertise



OEM manufacture



Committed to  
quality and safety



For diagnosis  
and research

ISO 9001  
ISO 14001  
ISO 13485  
certified



IVDR in progress



Worldwide delivery



INSTITUTE OF ISOTOPES CO. LTD.

Konkoly-Thege Miklós út 29-33., H-1121 Budapest, Hungary

+36 1 391 0836 | [sales@izotop.hu](mailto:sales@izotop.hu) | [www.izotop.hu](http://www.izotop.hu)

