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Immunoassays

EIA & RIA Product Portfolio

Expertise in ELISA & RIA Diagnostics

Immunodiagnostic Systems Limited is a leading *in vitro* diagnostic solutions provider to the clinical and research laboratory markets. Since 1977, we have developed, manufactured and marketed innovative immunoassays to provide improved diagnostic outcomes for patients. We offer a wide variety of specialised high quality products, delivering innovative solutions for diagnostics, therapy monitoring and research.



Calcium Metabolism

Product	Description	RUO/IVD	Product Code	Size	Certification
25-Hydroxy Vitamin D^s EIA					
Enzyme immunoassay for the quantitative determination of total 25-hydroxyvitamin D – Traceable to ID-LCMS/MS 25(OH)D reference method procedure					
Sample Type	• uman serum, plasma (EDTA, heparin, citrate)	IVD	AC-57SF1	96 Wells	CE/FDA
Sample Volume	• 5 µL				
Sensitivity	• limit of Detection (LoD): 6.8 nmol/L (2.7 ng/mL) • limit of Quantitation (LoQ): 12 nmol/L (4.8 ng/mL)				
25-Hydroxy Vitamin D RIA					
Radioimmunoassay for the quantitative determination of total 25-hydroxyvitamin D					
Sample Type	• uman serum, plasma (EDTA, heparin)	IVD	AA-35F1	100 Tubes	CE/FDA
Sample Volume	• 0 µL				
Sensitivity	• 3 mol/L (1.2 ng/mL)				
1,25-Dihydroxy Vitamin D EIA					
Complete assay system for the purification of total 1,25-dihydroxyvitamin D by immunoextraction with quantitation by enzyme immunoassay – Proprietary immunoextraction system, no organic or radioactive waste					
Sample Type	• uman serum, plasma (EDTA, heparin)	IVD	AC-62F1	96 Wells	CE/FDA
Sample Volume	• 00 µL				
Sensitivity	• 6 mol/L (2.5 pg/mL)				
1,25-Dihydroxy Vitamin D RIA					
Complete assay system for the purification of total 1,25-dihydroxyvitamin D by immunoextraction with quantitation by radioimmunoassay – Proprietary immunoextraction system, no organic waste					
Sample Type	• uman serum, plasma (EDTA, heparin)	IVD	AA-54F1	40 Cols	CE/FDA
Sample Volume	• 00 µL		AA-54F2	56 Cols	
Sensitivity	• 5 mol/L (2.1 pg/mL)				



Calcium Metabolism

Product	Description	RUO/IVD	Product Code	Size	Certification
25 OH Vitamin D					
Quantitative immunoenzymatic determination of 25OH Vitamin D concentration					
Sample Type	• erum, plasma	IVD	DKO146 ¹	96 Wells	CE
Sample Volume	• 0 µL				
Sensitivity	• 0.3 ng/mL				
Intact PTH ELISA					
Quantitative immunoenzymatic determination of intact PTH concentration					
Sample Type	• erum, plasma	IVD	DKO157 ¹	96 Wells	CE
Sample Volume	• 5 µL				
Sensitivity	• 0.49 pg/mL				

* Not yet listed with FDA as IVD | ** Not yet CE Marked as IVD | FDA* - 510k exempt

RUO – Research Use Only | IVD – *In Vitro* Diagnostic Use | FDA – FDA Cleared | CE – CE Marked | ¹Manufactured by DiaMetra S.r.l



Bone Turnover

Product	Description	RUO/IVD	Product Code	Size	Certification
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Alpha CrossLaps® (CTX-I) EIA

Quantification of degradation of non-isomerised fragments of C-terminal telopeptides of type I collagen (CTX-I)

Sample Type	• Human urine	IVD	AC-04F1	96 Wells	CE/FDA*
Sample Volume	• 25 µL				
Sensitivity	• 0.8 ng/mL				

BoneTRAP® (TRAcP 5b) ELISA

Quantitative determination of the active isoform 5b of tartrate-resistant acid phosphatase (TRAcP 5b)

Sample Type	• Human serum, EDTA plasma	IVD	SB-TR201A	96 wells	CE
Sample Volume	• 100 µL				
Sensitivity	• < 0.5 U/L				

N-MID® Osteocalcin ELISA

Quantitative determination of osteocalcin as an indicator of osteoblastic activity; both intact and N-MID® Osteocalcin fragments are detected with equal affinity

Sample Type	• Human serum, plasma (EDTA, heparin)	IVD	AC-11F1	96 Wells	CE/FDA
Sample Volume	• 20 µL				
Sensitivity	• 0.5 ng/mL				

Ostase® BAP EIA

Quantitative determination of bone specific alkaline phosphatase as an indicator of osteoblastic activity

Sample Type	• Human serum	IVD	AC-20F1	96 Wells	CE/FDA
Sample Volume	• 50 µL				
Sensitivity	• 0.7 µg/L				

Serum CrossLaps® (CTX-I) ELISA

Quantitative determination of degradation products of C-terminal telopeptides of type I collagen (CTX-I)

Sample Type	• Human serum, plasma (EDTA, heparin)	IVD	AC-02F1	96 Wells	CE/FDA*
Sample Volume	• 50 µL				
Sensitivity	• 0.02 ng/mL				



Bone Turnover

Product	Description	RUO/IVD	Product Code	Size	Certification
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Urine BETA CrossLaps® (CTX-I) ELISA

Quantitative determination of degradation products of C-terminal telopeptides of type-I collagen (βCTX-I)

Sample Type	• Human urine	IVD	AC-05F1	96 Wells	CE/FDA*
Sample Volume	• 20 µL				
Sensitivity	• 0.8 µg/L				

Urine CrossLaps® (CTX-I) EIA

Quantitative determination of degradation products of C-terminal telopeptides of type I collagen (CTX-I)

Sample Type	• Human urine	IVD	AC-03F1	96 Wells	CE/FDA*
Sample Volume	• 15 µL				
Sensitivity	• 50 µg/L				



Growth

Product	Description	RUO/IVD	Product Code	Size	Certification
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Insulin-like Growth Factor Binding Protein-3 (IGFBP-3) IRMA

Immunoradiometric assay for the determination of IGFBP-3

Sample Type	• Human serum	IVD	CL-BC1014	96 Tubes	CE
Sample Volume	• 10 µL				
Sensitivity	• 50 ng/mL				



Growth



Product	Description	RUO/IVD	Product Code	Size	Certification
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IGF-1

Quantitative immunoenzymatic determination of human Insulin-like Growth Factor 1 (IGF-1)

Sample Type	• Human serum	IVD	DKO186 ¹	96 Wells	CE
Sample Volume	• 50 µL				
Sensitivity	• 7.8 ng/mL				

hGH ELISA

Quantitative immunoenzymatic determination of human Growth Hormone

Sample Type	• Serum, plasma	IVD	DKO050 ¹	96 Wells	CE
Sample Volume	• 50 µL				
Sensitivity	• 0.105 µIU/mL				



Cartilage

Product	Description	RUO/IVD	Product Code	Size	Certification
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Urine CartiLaps® (CTX-II) EIA

Quantitative determination of degradation products of C-terminal telopeptides of type II collagen (CTX-II)

Sample Type	• Human urine	IVD	AC-10F1	96 Wells	CE/FDA*
Sample Volume	• 40 µL				
Sensitivity	• 0.2 µg/L				

Human COMP® ELISA

Quantitative determination of Cartilage Oligomeric Matrix Protein (COMP)

Sample Type	• Human serum, plasma (heparin)	IVD	AN-14-1006-71	96 Wells	CE
Sample Volume	• 25 µL				
Sensitivity	• < 0.1 U/L				



Animal Research

Product	Description	RUO/IVD	Product Code	Size	Certification
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CrossLaps® for Culture (CTX-I) ELISA

Quantitative determination of bone related degradation products from C-terminal telopeptides of type I collagen

Sample Type	• Cell culture supernatant	RUO	AC-07F1	96 Wells	N/A
Sample Volume	• 30 µL				
Sensitivity	• 0.75 nM				



Animal Research

Product	Description	RUO/IVD	Product Code	Size	Certification
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RatLaps™ (CTX-I) EIA

Quantitative determination of bone related degradation products from C-terminal telopeptides of type I collagen

Sample Type	• Rat/mouse serum (Rat urine supernatants can also be utilised)	RUO	AC-06F1	96 Wells	N/A
Sample Volume	• 20 µL				
Sensitivity	• Limit of Detection (LoD): 4.5 ng/mL				

Rat-MID™ Osteocalcin EIA

Quantitative determination of Osteocalcin in rats

Sample Type	• Rat serum, plasma	RUO	AC-12F1	96 Wells	N/A
Sample Volume	• 20 µL				
Sensitivity	• 50 ng/mL				

Rat/Mouse PINP EIA

Quantitative determination of N-terminal propeptide of type I procollagen (PINP) in rats/mice

Sample Type	• Rat/mouse serum, plasma (EDTA, heparin)	RUO	AC-33F1	96 Wells	N/A
Sample Volume	• 5 µL				
Sensitivity	• 0.33 ng/mL				

RatTRAP™ (TRAcP 5b) ELISA

Quantitative determination of osteoclast-derived tartrate-resistant acid phosphatase form 5b (TRAcP 5b) in rats

Sample Type	• Rat serum	RUO	SB-TR102	96 Wells	N/A
Sample Volume	• 25 µL				
Sensitivity	• 0.1 U/L				

MouseTRAP™ (TRAcP 5b) ELISA

Quantitative determination of osteoclast-derived tartrate-resistant acid phosphatase form 5b (TRAcP 5b) in mice

Sample Type	• Mouse serum	RUO	SB-TR103	96 Wells	N/A
Sample Volume	• 25 µL				
Sensitivity	• 0.1 U/L				

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Animal Research

Product	Description	RUO/IVD	Product Code	Size	Certification
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Serum Pre-Clinical CartiLaps® (CTX-II) ELISA

Quantitative determination of degradation products of C-terminal telopeptides of type II collagen (CTX-II)

Sample Type	• Animal serum (EDTA plasma or synovial fluid can also be utilised)	RUO	AC-08F1	96 Wells	N/A
Sample Volume	• 25 µL				
Sensitivity	• 3.7 pg/mL				

Urine Pre-Clinical CartiLaps® (CTX-II) EIA

Quantitative determination of degradation products of C-terminal telopeptides of type II collagen (CTX-II)

Sample Type	• Non-human urine or cell culture supernatant	RUO	AC-09F1	96 Wells	N/A
Sample Volume	• 10 µL				
Sensitivity	• 0.75 µg/L				

Corticosterone EIA

Assay for the quantitative determination of corticosterone without the need for extraction

Sample Type	• Rat/mouse serum, plasma (EDTA, heparin, citrate)	RUO	AC-14F1	96 Wells	N/A
Sample Volume	• 30 µL				
Sensitivity	• 0.55 ng/mL				

Corticosterone HS (High Sensitivity) EIA

Assay for the quantitative determination of corticosterone

Sample Type	• Serum, plasma (EDTA and heparin)	RUO	AC-15F1	96 Wells	N/A
Sample Volume	• 100 µL				
Sensitivity	• 0.17 ng/mL				

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