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QUIDEL®

Specialty Products

MicroVue™ Complement

MicroVue™ Bone

KITS AND REAGENTS

Quidel is a leading manufacturer of diagnostic healthcare solutions serving to enhance the health and well-being of people around the globe through the development of diagnostic solutions that can lead to improved patient outcomes and provide economic benefits to the healthcare system.

Our product base and technology platforms have continued to expand through internal development and acquisitions of other products and technologies allowing for a core competency that includes:

- Immuno and molecular assay development
- Automated manufacturing lateral flow (LF) technologies
- Direct fluorescent antibodies (DFA) production
- Monoclonal antibody characterization

Quidel Specialty Products is the option for all your research, biosafety, and cytotoxicity testing needs. Quidel MicroVue products are a well-established name in immune system monitoring, assays for the assessment of Complement activation, as well as biochemical bone markers. Quidel offers products to meet biosafety testing and Complement dependent cytotoxicity testing needs, such as normal human sera, cobra venom factor and Complement fragment assays. ELISA assays, depleted sera, proteins, monoclonal and polyclonal antibodies, antisera, antigens, controls, and special reagents are also available to round-out a comprehensive laboratory portfolio.

Quidel Specialty Products is the option for all your research, biosafety and cytotoxicity testing needs.

MicroVue™ Complement

Research to Rapids®

The Complement System consists of more than 50 fluid and membrane-bound proteins initiated via three primary pathways: the Classical, Alternative, and Lectin. These pathways mediate a set of activities including the initiation of inflammation, clearance of immune complexes, disruption of cell membranes, and regulation of the immune response. Deficiencies in the complement cascade can predispose individuals to infection, while conversely, the inflammation promoted by activation can lead to tissue damage, such as in ischemia reperfusion injury. It also plays a role in several autoimmune diseases including rheumatoid arthritis, SLE, and acute glomerulonephritis.

DIAGNOSTIC EIA KITS

For *In Vitro* Diagnostic Use

Diagnostic kits and controls for assessment of two types of circulating immune complexes (CIC), diagnosis of hereditary angioedema (HAE) and measurement of total classical pathway activity.

Catalog #	Qty	Description
A001 (CE)	**1 kit**	**MicroVue CIC-C1q EIA** (Detection of C1q-binding circulating immune complexes)
A002 (CE)	**1 kit**	**MicroVue CIC-Raji Cell Replacement EIA** (Detection of C3d-bound circulating immune complexes)
A013 (CE)	**1 set**	**MicroVue CIC-C1q Controls**
A018 (CE)	**1 kit**	**MicroVue CH50 Eq EIA** (Classical complement pathway activity)
A027 (CE)	**1 kit**	**MicroVue Bb Plus Fragment EIA**
A037 (CE)	**1 kit**	**MicroVue C1-Inhibitor Plus EIA** (Functional C1-Inhibitor levels)

All MicroVue Complement IVD products are also CE marked.

COMPLEMENT MULTIPLEX KITS

For determination of key complement analytes in plasma and serum. Includes custom kits for on-demand customer solution.

Catalog #	Qty	Description
A900	**1 kit**	**Complement Multiplex (Ba, Bb, C3a, C4a, C5a, SC5b-9, Factor H, Factor I)***
A903	**1 kit**	**Complement Multiplex Custom 3-plex***
A904	**1 kit**	**Complement Multiplex Custom 4-plex***
A905	**1 kit**	**Complement Multiplex Custom 5-plex***
A906	**1 kit**	**Complement Multiplex Custom 6-plex***
A907	**1 kit**	**Complement Multiplex Custom 7-plex***
A908	**1 kit**	**Complement Multiplex Custom 8-plex***
A950	**1 set**	**Complement Multiplex Calibrators and Controls***

EIA KITS FOR COMPLEMENT ACTIVITATION ANALYSIS

These kits allow for the analysis of activation of key proteins and specific pathways of the complement system in serum, plasma, and other biological fluids.

Catalog #	Qty	Description
A006	**1 kit**	**MicroVue iC3b EIA*** (For C3 activation)
A008 (CE)	**1 kit**	**MicroVue C4d Fragment EIA** (For C4 and classical pathway)
A029 (CE)	**1 kit**	**MicroVue SC5b-9 Plus EIA** (For MAC assembly, TCC, C5 and terminal pathway activation)
A025 (CE)	**1 kit**	**MicroVue C5a EIA**
A032 (CE)	**1 kit**	**MicroVue C3a Plus EIA** (For C3 activation)
A034 (CE)	**1 kit**	**MicroVue Ba Fragment EIA**
A036 (CE)	**1 kit**	**MicroVue C4a Fragment EIA**
A040 (CE)	**1 kit**	**MicroVue Factor H EIA**
A041	**1 kit**	**MicroVue Factor I EIA***
20261	**1 kit**	**MicroVue Pan-Specific C3 Reagent Kit***

*For Research Use Only.
Not for use in diagnostic procedures.

SPECIAL COMPLEMENT REAGENTS

Catalog #	Vol./Vial	Description
A100	**1.0 mL**	Human Complement Standard†† (normal human serum)
A111	**1.0 mL**	Normal Human Serum Complement
A112	**2.5 mL**	Normal Human Serum Complement
A113	**5.0 mL**	Normal Human Serum Complement
A114	**0.2 mL**	Complement Activator (heat aggregated gamma globulin)
A119	**5.0 mL**	Guinea Pig Serum Complement
A121	**2.0 mL**	Guinea Pig Serum Complement
A600	**1.0 mg**	CVF, Cobra Venom Factor *(Naja naja kaouthia)*†
A9576	**25.0 mL**	Specimen Stabilizing Solution

†>350 units/vial

††The Human Complement Standard comes with a data sheet indicating the functional activity and antigen levels of each of the major complement proteins.

HUMAN COMPLEMENT REAGENTS: PROTEINS

For Research Use Only

Each complement protein has been tested for functional purity in standard hemolytic assays and for biochemical purity by SDS-PAGE. The concentration of each complement protein, except for Factor D and C3a, is approximately 1.0 mg/mL.

Catalog #	Vol./Vial	Description
A400	**1.0 mL**	C1q†
A401	**250 µL**	C3
A402	**250 µL**	C4
A403	**250 µL**	C5
A404	**250 µL**	C6
A405	**250 µL**	C7
A406	**250 µL**	C8
A407	**250 µL**	C9
A408	**250 µL**	Factor B
A409	**250 µL**	Factor D††
A410	**250 µL**	Factor H
A411	**250 µL**	Factor I
A412	**250 µL**	Factor P
A413	**50 µL**	C3b
A414	**100 µL**	C3a
A415	**100 µL**	SC5b-9 Complex
A416	**250 µL**	Bb
A417	**250 µL**	C3c
A418	**100 µL**	C3d
A419	**500 µL**	C4a
A420	**500 µL**	C5a
A422	**100 µL**	Factor Ba
A423	**250 µL**	iC3b
A424	**250 µL**	C1r Enzyme
A425	**250 µL**	C1s Enzyme
A426	**1.0 mL**	C1 Esterase Inhibitor
A427	**100 µL**	C2
A428	**250 µL**	C4b

†In phosphate buffered saline containing 40% glycerol.

††The protein concentration for Factor D is 0.1 mg/mL.

COMPLEMENT REAGENTS: DEPLETED OR DEFICIENT SERA

For Research Use Only

Except for the C3-dpl, C3/C4-dpl and the C4-deficient guinea pig sera, a specific complement protein has been removed immunochemically from each depleted human serum reagent. Depleted sera are well suited for the detection and quantitation of hemolytically active complement proteins. Except for the specifically depleted component, the classical and alternative pathways are intact.

Catalog #	Vol./Vial	Description
A500	**1.0 mL**	C2-dpl
A501	**1.0 mL**	C5-dpl
A502	**1.0 mL**	C6-dpl
A503	**1.0 mL**	C7-dpl
A504	**1.0 mL**	C8-dpl
A505	**1.0 mL**	C9-dpl
A506	**1.0 mL**	Factor B-dpl
A507	**1.0 mL**	C4-deficient (guinea pig)
A508	**1.0 mL**	C3-dpl
A509	**1.0 mL**	C1q*-dpl
A512	**1.0 mL**	Factor P-dpl
A521	**1.0 mL**	C3/C4-dpl
A522	**1.0 mL**	C4-dpl
A523	**1.0 mL**	Factor H-dpl
A524	**1.0 mL**	Factor I-dpl
A525	**1.0 mL**	Factor D-dpl

HUMAN COMPLEMENT REAGENTS: ANTISERA

For Research Use Only

Quidel's complement antisera are raised in goats and are quality controlled for specificity by immunochemical analysis.

Catalog #	Vol./Vial	Description
A300	**2.0 mL**	Anti-human C1-Inhibitor
A301	**2.0 mL**	Anti-human C1q
A302	**2.0 mL**	Anti-human C1s
A303	**1.0 mL**	Anti-human C2 (Ig Fraction)
A304	**2.0 mL**	Anti-human C3
A305	**2.0 mL**	Anti-human C4
A306	**2.0 mL**	Anti-human C5
A307	**2.0 mL**	Anti-human C6
A308	**2.0 mL**	Anti-human C7
A309	**2.0 mL**	Anti-human C8
A310	**2.0 mL**	Anti-human C9
A311	**2.0 mL**	Anti-human Factor B
A312	**2.0 mL**	Anti-human Factor H
A313	**2.0 mL**	Anti-human Factor I
A314	**1.0 mL**	Anti-human Factor D
A315	**1.0 mL**	Anti-human C3a
A316	**1.0 mL**	Anti-human C4a
A317	**250 µL**	Anti-human SC5b-9 (neo)
A318	**1.0 mL**	Anti-human Factor P
A319	**1.0 mL**	Anti-human Vitronectin

BIOTINYLATED MONOCLONAL ANTIBODIES

For Research Use Only

Each monoclonal antibody has been purified from ascites fluid and labeled with biotin. The protein concentration of each is approximately 0.2 mg/mL.

Catalog #	Vol./Vial	Description
A700	**250 µL**	Anti-human C1q
A701	**250 µL**	Anti-human C3c
A702	**250 µL**	Anti-human C3d
A703	**250 µL**	Anti-human C4c
A704	**250 µL**	Anti-human C4d
A705	**250 µL**	Anti-human C5
A706	**250 µL**	Anti-human C6
A707	**250 µL**	Anti-human C7
A708	**250 µL**	Anti-human C8
A709	**250 µL**	Anti-human C9
A710	**250 µL**	Anti-human iC3b (neoantigen)
A711	**250 µL**	Anti-human SC5b-9 (neoantigen)
A712	**250 µL**	Anti-human Factor B (Bb)

HUMAN COMPLEMENT REAGENTS: MONOCLONAL ANTIBODIES

For Research Use Only

Each monoclonal antibody has been purified from mouse ascites fluid and tested for purity by SDS-PAGE. The protein concentration of each is approximately 1 mg/mL.

Catalog #	Vol./Vial	Description
A201	**100 µL**	Anti-human C1q
A203	**100 µL**	Anti-human C3a
A205	**100 µL**	Anti-human C3 (C3c)
A207	**100 µL**	Anti-human C3 (C3d)
A209	**100 µL**	Anti-human iC3b (neoantigen)
A211	**100 µL**	Anti-human C4 (C4c)
A213	**100 µL**	Anti-human C4 (C4d)
A215	**100 µL**	Anti-human C4 binding protein
A217	**100 µL**	Anti-human C5
A219	**100 µL**	Anti-human C6
A221	**100 µL**	Anti-human C7
A223	**100 µL**	Anti-human C9
A225	**100 µL**	Anti-human Factor B (Ba)
A227	**100 µL**	Anti-human Factor B (Bb)
A229	**100 µL**	Anti-human Factor H#1
A231	**100 µL**	Anti-human Factor I#2
A233	**100 µL**	Anti-human Factor P#1
A235	**100 µL**	Anti-human Factor P#2
A237	**100 µL**	Anti-human S-Protein (vitronectin)
A239	**100 µL**	Anti-human SC5b-9 (TCC neoantigen)
A241	**100 µL**	Anti-human Clusterin (SP40, 40 andApo J)
A247	**100 µL**	Anti-human Factor I#1
A249	**100 µL**	Anti-human C8
A250	**100 µL**	Anti-human C3d (neoantigen)
A251	**100 µL**	Anti-human C4d (neoantigen)
A252	**100 µL**	Anti-human Bb (neoantigen)
A253	**0.5 mL**	Anti-human C4 (C4d)
A254	**100 µL**	Anti-human Factor H#2
A255	**100 µL**	Anti-human Factor H#3

CUSTOM PRODUCTS

For more information about customized or non-catalog product possibilities, please contact Quidel or your local representative.

For services outside the U.S., please contact your local distributor. Additional information about our products and our distributors can be found on our website at quidel.com.

For information on specific products and their applications, please contact Quidel Technical Support at 858.552.1100, or at technicalsupport@quidel.com, Monday through Friday, from 8:00 a.m. to 5:00 p.m., Eastern Time.

Complement

	CIC-C1q	CIC-Raji	C1-INH Plus	CH50 Eq	Bb Plus	Ba	C4d	C3a Plus	SC5b-9 Plus	C5a	C4a	Factor H	Pan-Specific C3	iC3b	Factor I
	IVD	IVD	IVD	IVD	IVD	IVD	IVD	IVD	IVD	IVD	IVD	IVD	RUO	RUO	RUO
Marker	Circulating Immune Complex-C1q	Circulating Immune Complex-Raji Cell Replacement	Functional C1-Inhibitor Protein	CH50	Bb Fragment	Ba Fragment	C4d Fragment	C3a Fragment (Anaphylatoxin)	SC5b-9	C5a Fragment (Anaphylatoxin)	C4a Fragment (Anaphylatoxin)	Factor H	Depletion of C3	iC3b Fragment	Factor I
Cat. No.	**A001 (CE)**	**A002 (CE)**	**A037 (CE)**	**A018 (CE)**	**A027 (CE)**	**A034 (CE)**	**A008 (CE)**	**A032 (CE)**	**A029 (CE)**	**A025 (CE)**	**A036 (CE)**	**A040 (CE)**	**20261**	**A006**	**A041**
Tests Per Kit	96 wells	96 wells	96 wells	96 wells	96 wells	96 wells	96 wells	96 wells	96 wells	96 wells	96 wells	96 wells	96 wells	96 wells	96 wells
Specimen Volume	Serum/EDTA Plasma 10 µL	Serum/Plasma 10 µL	Serum/EDTA Plasma 10 µL	Serum 14 µL	Serum 25 µL EDTA Plasma 50 µL	Serum 10 µL EDTA Plasma 25 µL Urine 10 µL	Serum/EDTA Plasma 10 µL	Serum/EDTA Plasma 10 µL	Serum 10 µL EDTA or Citrated Plasma 50 µL	Serum 10 µL EDTA or Citrated Plasma 20 µL	Serum/EDTA Plasma 10 µL	Serum/EDTA Plasma 10 µL	Serum/Plasma 20 µL	Serum/EDTA or Heparin Plasma 100 µL	Serum/EDTA Plasma 10 µL
Limit of Detection	1.0 µg Eq/mL	4.0 µg Eq/mL	NA	NA	0.018 µg/mL	0.011 ng/mL	0.001 µg/L	0.012 ng/mL	3.7 ng/mL	0.01 ng/mL	0.29 ng/mL	3.155 ng/mL	NA	NA	0.5 ng/mL
Lower Limit of Quantitation	NA	NA	NA	NA	0.033 µg/mL	0.033 ng/mL	0.022 µg/L	0.023 ng/mL	8.8 ng/mL	0.05 ng/mL	5.0 ng/mL	4.64 ng/mL	NA	NA	1.6 ng/mL
Upper Limit of Quantitation	NA	NA	NA	NA	0.836 µg/mL	3.239 ng/mL	NA	2.531 ng/mL	NA	NA	61 ng/mL	521 ng/mL	NA	NA	82.1 ng/mL
Intra-Assay Variation (CV)	0.1–3.2%	3–9%	3.3–5.4%	3.2–4.5%	2.4–4.0%	2.2–3.3%	6.1–9.7%	4.5–5.3%	1.6–6.8%	3.5–3.9%	3.7–4.3%	4.1–5.2%	NA	NA	2.9%
Inter-Assay Variation (CV)	0.3–3.9%	4–30%	5.7–10%	5.4–8.7%	6.2–9.1%	2.4–8.1%	8.5–11.2%	5.9–19.6%	5.0–13.1%	7.1–13%	4.0–4.4%	9.0–9.7%	NA	NA	5.4%
Animal Crossreactivity†	Am, Cm, Rm, B	None	Rm, B	Cm	P, Cm, Rm	Am, Cm, Rm, D	B	Am, Cm, Rm	Rm, B, Cm, Rb, Am, Pm	None	Am, Cm, Rm	None	Bv, Ck, D, Gp, P, H, Mp, Rb, R, S, T, M	None	None
No. of Standards	3	5	5	5	5	5	5	5	5	5	5	5	0	3	5
No. of Controls	0	2	2	2	2	2	2	2	2	2	2	2	1	2	2
Total Assay Time	2.5 hrs	2.5 hrs	2 hrs	3.5hrs	1.5 hrs	2.5 hrs	1.5 hrs	2.5 hrs	2 hrs	2.5 hrs	2.5 hrs	2.5 hrs	3 hrs	1.5 hrs	2.5 hrs
Sample Values	**Normal** 2.1 µg/Eq/mL	**Normal** 5.0 µg Eq/mL **SLE** 15.8 µg Eq/mL **RA** 13.7 µg Eq/mL	**Normal** ≥68% mean normal **Equivocal** 41–67% mean normal **Abnormal** ≤40% mean normal	**Normal** 133±54 CH50 U Eq/mL	**Serum** 0.0–7.6 µg/mL **EDTA Plasma** 0.3–1.7 µg/mL	**Serum** 436–3362 ng/mL **EDTA Plasma** 226–2153 ng/mL **Urine** 0.6–27.0 ng/mL	**Serum** 1.2–8.0 µg/mL **EDTA Plasma** 0.7–6.3 µg/mL	**Serum** 71.0–589.2 ng/mL **EDTA Plasma** 33.8–268.1 ng/mL	None	**Serum** 13.4–179.2 ng/mL **EDTA Plasma** 0.37–74.3 ng/mL	**Serum** 20.9–4437.2 ng/mL **EDTA Plasma** 383.5–8168.2 ng/mL	None	None	None	None

†**Crossreactivity:** (R) Rat, (M) Mouse, (Gp) Guinea Pig, (Rb) Rabbit, (Cm) Cynomolgous monkey, (Rm) Rhesus monkey, (B) Baboon, (P) Pig, (D) Dog, (S) Sheep, (G) Goat, (C) Cow, (H) Horse, (Ct) Cat, (Ck) Chicken, (Bv) Bovine, (Mp) Mini pig, (T) Turkey, (Am) African green monkey, (Pm) Pigtail monkey

*__NA:__ Not Available

MicroVue™ Bone

Research to Rapids®

Biochemical markers of bone resorption and formation reflect the underlying process of bone turnover and may be useful in supplementing the information from bone mineral density (BMD) testing. Many studies have confirmed the importance of various biochemical bone markers both in clinical monitoring and assessment of patients at risk for osteoporosis and related diseases as well as in research into the nature of these states. Examples of specific serum and urine markers that reflect overall bone turnover include total pyridinolines, and free and total deoxypyridinolines, as well as newer markers like helical peptide. Formation markers include bone specific alkaline phosphatase, carboxyterminal propetide of Type 1 collagen (CICP, PICP) and osteocalcin.

The Specialty Products Group at Quidel manufactures a variety of enzyme immunoassays or biochemical markers of bone turnover that may be useful as independent predictors of fracture risk and rate of bone loss. Branded under the MicroVue name, additional information regarding the breadth of tools and reagents for bone health research can be found on our website.

DIAGNOSTIC EIA KITS

For *In Vitro* Diagnostic Use

Diagnostic kits for assessment of bone/joint activity.

Catalog #	Qty	Description
8002 (CE)	**1 kit**	**MicroVue Osteocalcin EIA** Osteocalcin (intact)
8003 (CE)	**1 kit**	**MicroVue CICP EIA** C-Terminal Propeptide of type I Collagen
8007 (CE)	**1 kit**	**MicroVue DPD EIA** Deoxypyridinoline crosslinks (urine)
8010 (CE)	**1 kit**	**MicroVue PYD EIA** Pyridinium crosslinks (urine)
8012 (CE)	**1 kit**	**MicroVue BAP EIA** Bone Alkaline Phosphatase
8036 (CE)	**1 kit**	**MicroVue TRAP5b EIA** Tartrate-resistant acid phosphatase 5b (TRAcP5b)
8046 (CE)	**1 kit**	**MicroVue 25-OH Vitamin D EIA** Total 25-OH Vitamin D

EIA KITS FOR MARKERS OF DIABETES AND OBESITY

For Research Use Only

These kits allow for the assessment of markers for diabetes and obesity.

Catalog #	Quantity	Description
TE1011	**1 kit**	**Human Intact Proinsulin ELISA** Proinsulin (intact)
TE1016	**1 kit**	**Human Leptin ELISA** Leptin
TE1014	**1 kit**	**Total Human Adiponectin ELISA** Adiponectin (total)

EIA KITS FOR MARKERS OF BONE AND TISSUE REMODELING

For Research Use Only

These kits allow for the analysis of bone markers and tissue remodeling in serum, plasma and other biological fluids.

Catalog #	Qty	Description
8009	**1 kit**	**MicroVue Creatinine EIA**
8019	**1 kit**	**MicroVue Serum PYD EIA** Pyridinoline crosslinks (serum)
8020	**1 kit**	**MicroVue YKL-40 EIA** YKL-40
8050	**1 kit**	**MicroVue Klotho EIA**
TE1023HS	**1 kit**	**Human Sclerostin HS EIA** Sclerostin High Sensitivity
TE1018-2	**1 kit**	**Human Hyaluronic Acid Plus ELISA** Hyaluronic Acid (HA)

Catalog #	Qty	Description
Human		
60-6600	**1 kit**	**MicroVue Human Intact FGF-23 EIA**
60-6100	**1 kit**	**MicroVue Human FGF-23 (C Term) EIA**
60-3000	**1 kit**	**MicroVue Human Bioactive PTH (1-84) EIA**
60-3100	**1 kit**	**MicroVue Human PTH EIA**
60-3900	**1 kit**	**MicroVue High Sensitivity Human PTH (1-34) EIA**
Mouse and Rat		
60-6800	**1 kit**	**MicroVue Mouse/Rat Intact FGF-23 EIA**
60-6300	**1 kit**	**MicroVue Mouse FGF-23 (C Term) EIA**
60-2305	**1 kit**	**MicroVue Mouse PTH 1-84 EIA**
60-2700	**1 kit**	**MicroVue Rat Bioactive Intact PTH EIA**
60-2500	**1 kit**	**MicroVue Rat Intact PTH EIA**
60-1305	**1 kit**	**MicroVue Mouse Osteocalcin EIA**
60-1505	**1 kit**	**MicroVue Rat Osteocalcin EIA**
Canine		
60-3800	**1 kit**	**MicroVue Canine Intact PTH EIA**

ANTIBODIES AND ANTIGENS

Catalog #	Quantity	Description
4751	**0.1 mL**	Anti-PINP #1†
4752	**0.1 mL**	Anti-PINP #2†
4753	**0.1 mL**	Anti-PINP #3†
4754	**0.1 mL**	Anti-PINP #4†
4817	**0.1 mg**	Mouse Anti-CICP antibody
4807	**0.02 mg**	H-Dpd
4811	**0.1 mg**	Mouse Anti-Dpd antibody
4805	**0.02 mg**	H-Pyd
4809	**0.1 mg**	Mouse Anti-Pyd antibody
4813	**0.1 mg**	Mouse Anti-YKL-40 antibody
4815	**0.1 mg**	Rabbit Anti-YKL-40 antibody
A442	**25 µg**	YKL-40 Purified Protein
21-9158	**0.1 mg**	Klotho Antibody (KL2)
21-9159	**0.1 mg**	Klotho Antibody (KL1)
21-2310	**100 µg**	Mouse PTH Antibody (53-84)
21-2320	**100 µg**	Mouse PTH Antibody (1-12)
21-3010	**100 µg**	PTH Antibody (Center 39-84)
21-3020	**100 µg**	PTH Antibody (N-term)
21-3120	**100 µg**	PTH Antibody (13-34)
21-6110	**100 µg**	FGF-23 Ab (C-term 186-206)
21-6120	**100 µg**	FGF-23 Ab (C-term 225-244)
21-6310	**100 µg**	Mouse FGF-23 Ab (186-206)
21-6320	**100 µg**	Mouse FGF-23 Ab (225-244)
21-6610	**0.1 mL**	FGF-23 Ab (Monoclonal)
21-6810	**100 µg**	Mouse FGF-23 Ab (N-term)
21-6820	**100 µg**	Mouse FGF-23 Ab (180-251)

†The protein content for PINP is 1.0 mg/mL

REAGENTS

Catalog #	Quantity	Description
Diluent		
30-2531	**10 mL**	Rat PTH Sample Diluent
30-3131	**10 mL**	Human PTH Sample Diluent
30-6631	**10 mL**	Human FGF-23 Sample Diluent
4935	**40/bag**	30k MWCO Spinfilters

CONTROLS

Catalog #	Quantity	Description
4818	**set of 4**	CICP Controls – serum
4819	**set of 4**	Osteocalcin Controls – serum
4820	**set of 4**	BAP Controls – serum
4821	**set of 4**	YKL-40 Controls
4822	**set of 4**	Dpd Controls – urine
4823	**set of 4**	Pyridinoline Controls – urine
4824	**set of 4**	Pyridinoline Controls – serum
4936	**set of 4**	Helical Peptide Controls – urine
8004	**750 µL**	Pyd/Dpd HPLC Calibrator
8006	**5 mL**	HPLC Internal Standard

Bone

	BAP	DPD	PYD	Vitamin D	TRAP5b	OC	CICP	Serum PYD	YKL-40
	IVD	IVD	IVD	IVD	IVD	IVD	IVD	RUO	RUO
Marker	Bone specific alkaline phosphatase (BAP)	Deoxypyridinoline (DPD)	Pyridinoline (PYD)	25-OH Vitamin D	Tartrate-resistant acid phosphatase isoform 5b	Intact Osteocalcin	Type I Collagen C-Terminal	Pyridinoline (PYD)	Human cartilage glycoprotein 39 (YLK-40)
Cat. No.	**8012 (CE)**	**8007 (CE)**	**8010 (CE)**	**8046 (CE)**	**8036 (CE)**	**8002 (CE)**	**8003 (CE)**	**8019**	**8020**
Tests Per Kit	96 wells	96 wells	96 wells	96 wells	96 wells	96 wells	96 wells	96 wells	96 wells
Bone/Joint Activity	Formation	Resorption	Resorption	Resorption	Resorption	Formation	Collagen Synthesis	Resorption	Rheumatoid Arthritis
Specimen Volume	Serum 20 µL	Urine 50 µL	Urine 50 µL	Serum 50 µL	Serum/Heparin Plasma 50 µL	Serum 25 µL	Serum 25 µL	Serum 25 µL	Serum/EDTA Plasma 20 µL
Limit of Detection	0.7 U/L	1.1 nmol/L	7.5 nmol/L	2.81 ng/mL	0.24 U/L	0.45 ng/mL	0.2 ng/mL	0.4 nmol/L	5.4 ng/mL
Lower Limit of Quantitation	2 U/L	3 nmol/L	15 nmol/L	4.32 ng/mL	NA	NA	1 ng/mL	NA	NA
Upper Limit of Quantitation	140 U/L	300 nmol/L	750 nmol/L	NA	NA	NA	80 ng/mL	NA	NA
Intra-Assay Variation (CV)	3.9–5.8%	4.3–8.4%	6.6–9.9%	2.5–7.8%	1.9–2.2%	4.8–10.0%	5.5–6.8%	6.3–14.8%	5.6-6.6%
Inter-Assay Variation (CV)	5.0–7.6%	3.1–4.8%	3.9–11.2%	4.3–9.2%	2.0–3.0%	4.8–9.8%	5–7%	8.7–11.6%	6.0-7.0%
Animal Crossreactivity†	Rb, Cm, Rm, B, P, D, S, G, C, H	R, M, Gp, Rb, Cm, Rm, Sm, B, P, D, S, C, H	R, M, Gp, Rb, Cm, Rm, P, D, S, H	None	None	Gp, Rb, Cm, P, S, G, C, H	Rb, Cm, Rm,	R, M, Gp, Rm, B, P, D, C, H, Ct	B, Cm, Rm
No. of Standards	6	6	6	6	5	6	6	1	6
No. of Controls	2	2	2	2	2	2	2	2	2
Total Assay Time	3.5 hrs	3 hrs	4 hrs	3 hrs	2 hrs	3.6 hrs	4 hrs	20–26 hrs	3 hrs
Sample Values	**Females** (Ages 25–44) 11.6–29.6 U/L **Males** (Ages ≥25) 15.0–41.3 U/L	**Females** (Ages 25–44) 3.0–7.4 nmol DPD/nmol Creatinine **Males** (Ages 25–55) 2.3–5.4 nmol DPD/nmol Creatinine	**Females** (Ages >25) (premenopausal) 16.0–37.0 nmol PYD/mmol Creatinine **Males** 12.8–25.6 nmol PYD/mmol Creatinine	**Adult** (21–92) 4.9–88.6 ng/mL	**Females** (Ages 30–44) (premenopausal) 2.9±1.4 U/L (Ages ≥50) (postmenopausal) 4.3±1.5U/L **Males** (Ages ≥20) 4.0±1.4 U/L	**Adult** 3.7–10.0 ng/mL	**Adult** 69–103 ng/mL **Children** 110–966 ng/mL	**Adult** (25–55) 1.09–2.79 nmol/L	**Adult** (EDTA Plasma) 20-130 ng/mL **Females** (Serum) 25-93 ng/mL **Males** (Serum) 24-125 ng/mL

†**Crossreactivity:** (R) Rat, (M) Mouse, (Gp) Guinea Pig, (Rb) Rabbit, (Cm) Cynomolgous monkey, (Rm) Rhesus monkey, (Sm) Squirrel monkey, (B) Baboon, (P) Pig, (D) Dog, (S) Sheep, (G) Goat, (C) Cow, (H) Horse, (Ct) Cat, (Ch) Chimpanzee, (Sq) Squirrel

*__NA:__ Not Available

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