

BIOCHEMISTRY

Oxford Biosystems represents a number of internationally recognised manufacturers of diagnostic kits and reagents for clinical laboratories. We have over 5,000 immunoassay kits and reagents in the format of ELISA, RIA and IRMA as well as a range of LC-MS/MS-system products and Immunoblot kits.

Bone and Cartilage Metabolism

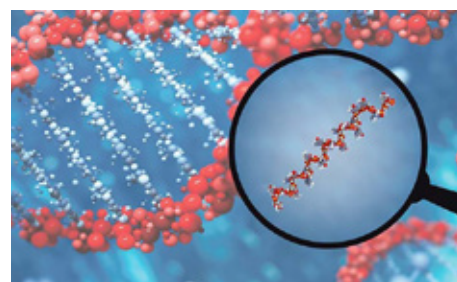
Oxford Biosystems has been a supplier of products for the investigation of bone and cartilage metabolism for many years. Our products are sourced from internationally recognised manufacturers, supported by their technical expertise gained through collaboration with scientists around the world.

Our product range includes ELISA kits for the following biomarkers:

- Vitamin D
- Sclerostin and bioactive Sclerostin
- Dickkopf-1 (DKK-1)
- Osteoprotegerin (OPG)
- free soluble RANKL
- Cathepsin K
- Periostin
- Parathyroid hormone (PTH)
- FGF23
- Soluble Semaphorin 4D

The new **TAmiRNA osteomiR™** test kit from Biomedica is an innovative, minimally invasive test for bone quality and fracture-risk assessment detecting circulating microRNAs, obtained from a single blood specimen sample. Please contact us for further information about this kit and the related testing service offered by Biomedica.

MicroRNAs (miRNAs) are new and promising potential biomarkers for diagnosis and prognosis of many diseases. BioVendor has developed miREIA (**miRNA Enzyme Immunoassay**) - a novel, immunoassay based method of miRNA quantification. **miREIA** can be run on common immunoassay analysers, does not require amplification steps and results are obtained in less than three hours including miRNA profiling. Please visit our website or contact us for more information.



Vitamin D

DIAsource (Louvaine-la-Neuve, Belgium)

DIAsource has been developing and manufacturing Vitamin D assays for more than 10 years.

- ELISA kits are validated for use on open and closed automates
- Calibrated against ID-LC/MS-MS according to the Vitamin D Standardisation Program (VDSP)

25OH Vitamin D3 RIA

Specific for the D3 form of 25OH Vitamin D

25OH Vitamin D Total RIA

All-In-One® coated tube technology with no extraction step

1,25(OH)₂ Vitamin D RIA

Gold standard extraction method

1,25(OH)₂ Vitamin D ELISA

Accurate measurement of D2 and D3 forms of Vitamin D

25OH Vitamin D Total ELISA

Validated protocols for automation

25OH Vitamin D Total Fast ELISA

90 minute assay time including simple pretreatment step

Free 25OH Vitamin D – ELISA

Accurate and direct measurement CE marked kit

Chromatography and Mass Spectrometry

Alifax (Padova, Italy)

- Widest range of ready to use kits for Clinical Chemistry, Pharmacology and Toxicology
- Complete ready to use kit including calibrators
- Lyophilised calibrators and controls
- Reduced hands on time and exposure
- Simple sample preparation
- Use of Deuterated Internal Standards
- 90 -100% recovery of analytes
- Standardized method for proficiency inter-laboratory testing programs
- Harmonization of results vs. immunochemistry values
- Fully compatible with any commercial instrumentation

ALIFAX kits

- Biogenic amines
- Endocrinology
- Metabolic Diseases / Renal Function
- Oxidative Stress
- Vitamins
- Anti-epileptics
- Anti-arrhythmics
- Psychoactive drugs
- Immunosuppressants
- Antibiotics
- Antimycotics
- Diabetes
- Anti-neoplastic

Cardiovascular Disease

Oxford Biosystems offers a range of ELISA kits for the determination of biomarkers in cardiovascular disease including:



- Big Endothelin
- Endothelin
- BNP Fragment
- NT-proBNP
- NT-proCNP
- ProANP
- Osteoprotegerin

Procollagen III N-terminal peptide (PIIINP)

Orion Diagnostica (Espoo, Finland)

PIIINP (Procollagen III N-terminal peptide) is a marker of hepatic fibrosis in psoriasis and liver disease. It is now part of the European Guidelines for monitoring of psoriatic patients on methotrexate.

Orion PIIINP can help clinicians to avoid the need for recommending liver biopsies and offers exceptional benefits to GPs and others involved in primary care diagnosis. The Southampton Traffic Light System represents a rapid non-invasive test that can potentially detect early liver disease before current conventional markers. It combines the results of two established serum fibrosis markers – PIIINP (Procollagen III N-terminal peptide) and Hyaluronic Acid, plus a platelet count. www.livertrafficleight.info

PIIINP is a marker liberated into the circulation during soft tissue formation and can be useful in monitoring growth hormone therapy in children and in providing prognostic information on cardiac disease.

At Oxford Biosystems we also have an extensive range of kits and reagents for the measurement of biomarkers. Please visit our website or contact us directly.



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