

Endocrinology involves the study of the endocrine system, its diseases and its specific molecules called hormones. Hormones are signalling molecules which regulate many functions of the body and Oxford Biosystems offers a broad product portfolio for the large field of endocrinology. Our products are sourced from several well-known international manufacturers and include ELISA kits for blood and saliva samples, RIA kits and reagents for LC-MS. Endocrinology is a diverse and complex field and covers numerous diseases and hormone imbalances.

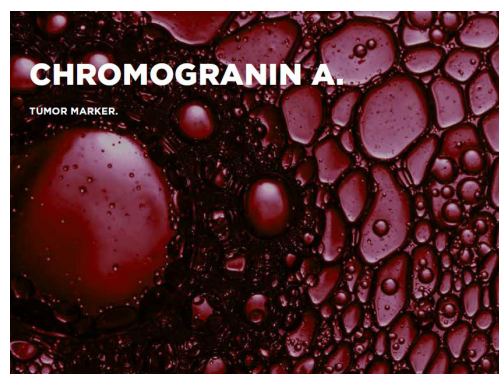
Tumour markers

We offer a broad portfolio of assays for the quantitative detection of tumour markers for diagnostics, research and monitoring therapy.

The new IBL ELISA kit for Chromogranin A (CgA) has a high clinical utility for patients with neuroendocrine tumours and provides reliable and consistent results with standards based on human recombinant CgA.

ELISA kits with excellent correlation to HPLC, and protocols available for automation, are available for Adrenalin, Noradrenaline and Dopamine.

Kits are also available for the measurement of catecholamines Metanephrine and Nometanephrine in urine samples for the diagnosis and follow-up of tumors of the nervous system such as pheochromocytoma, neuroblastoma and ganglioneuroma.



Hypertension

Hypertension or high blood pressure is a cardiac chronic medical condition in which systemic arterial blood pressure is elevated. Persistent hypertension is a significant risk factor for strokes, heart attacks, heart failure, and arterial aneurysms, and is a leading cause of chronic renal failure. Kits available include Renin(active), Angiotensinogen I and II, Angiotensinogen converting enzyme (ACE), Aldosterone, Endothelin, Catecholamines, Metanephrine, Nometanephrine, Adrenalin, Noradrenaline and Dopamine.

Gynaecology and Andrology

We offer kits for the quantitative determination of hormones involved in the male and female reproductive systems and in vitro fertilisation (IVF). Kits available include FSH, LH, HCG, 17-OH-Progesterone (17-OH-P), 5 α -Dihydrotestosterone (DHT), Estrone (E1), dehydroepiandrosterone (DHEA), dehydroepiandrosterone sulphate (DHEA-S), and androstenedione.

Growth Hormones

Insulin-like growth factors (IGF)-I and-II play a key role in the regulation of proliferation, differentiation and specific functions of many cell types. We offer kits for the quantitative determination of Growth Hormone (GH), GHBP, IGF-I, IGF-II, IGFBP-1, IGFBP-2, IGFBP-3 and IGFBP-6.



Metabolic Syndrome

We offer a variety of ELISA and LC-MS kits and controls for the investigation of metabolic disorders, cardiovascular disease and type 2 diabetes.

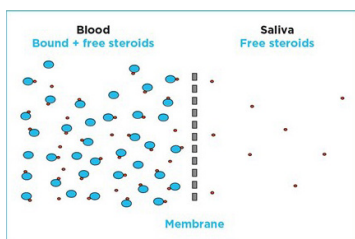
Adipokines

Adipose tissue is an active endocrinological organ whose hormones influence and control food intake and utilization in a variety of ways. These regulatory circuits can be disturbed by obesity, for example, and thus contribute to the development of diabetes, cardiovascular diseases or tumours. We offer kits for the quantitative determination of Leptin, Adiponectin, Resistin, Vaspin, Chemerin and Progranulin.

Oxford Biosystems provides a large variety of kits and reagents for the field of Endocrinology so please Contact us to discuss your specific requirement and for further information.

Saliva Samples

Saliva has been used for many years as a biological fluid for the detection of different biomarkers such as electrolytes, hormones, drugs and antibodies. It offers advantages for clinicians, patients and researchers in terms of convenience and it is non-invasive and painless to collect.



Steroid hormone assessment from saliva allows the specific determination of the biologically active or “free” fraction of target hormones. IBL International provides you with highly sensitive luminescence immunoassays and ELISAs which have been specially developed and validated for saliva. The special ultrapure polypropylene sampling device, SaliCap, ensures excellent recovery of steroid hormones in saliva samples.

Applications for the assessment of hormone concentrations in saliva include:

- Sports medicine
- Anti-aging medicine
- Psychology and occupational medicine, including stress and sleep disorders
- Gynaecology, Andrology, IVF and Menopause

Our colleagues at IBL International GmbH, part of the Tecan Group, have produced a new educational book entitled Viva Saliva. The ultimate guide to saliva testing, Viva Saliva contains more than 100 graphics and tables, presenting a comprehensive investigation of saliva as a diagnostic matrix for measuring essential analytes, particularly hormone analysis. We have copies available for our customers working in this field.



LC-MS kits, Calibrators and Controls

LC-MS provides highly specific and sensitive analysis of various analytes at low concentrations. Accurate and precise quantification over a wide dynamic range makes this technology suitable for both routine clinical assays and research applications.



Tecan LC-MS kits offer the complete package. Each kit contains calibrators, internal standards and controls, and all the necessary buffers and eluents to run the LC-MS instrument.

Tec-Trace™ Calibrators and Controls are available as individual products. With up to 6 calibrator levels and 3 different controls covering a broad spectrum of analytes, Tec-Trace streamlines workflow processes in the lab and generates confidence for accurate and reliable results.

Our products are manufactured by companies including:

IBL International GmbH, Germany, part of the Tecan Group
DIASource Immunoassays, Belgium, part of the BioVendor Group
BioVendor Laboratorni medicina a. s., Czechia, part of the BioVendor Group
Biomedica Medizinprodukte GmbH, Austria
Mediagnost Society for Research and Manufacturing of Diagnostika GmbH, Germany

Please visit our website www.oxfordbiosystems.com
or contact us directly by phone +44 (0)1235431390
or email sales@oxfordbiosystems.com to discuss
your specific assay requirements.

