

# Our Current Endocrinology Clinical Areas



## Bone Metabolism

Throughout life, old bone is constantly removed (resorption) and replaced by new bone (formation). This continual process is essential for the maintenance of healthy bone mass and micro-architecture. The IDS complete bone offering provides the tools for research and routine clinical laboratories, to provide highly accurate and reliable results.



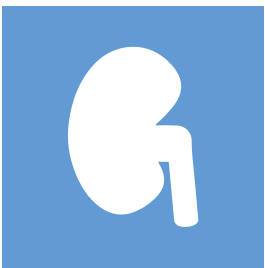
## Calcium Metabolism

Vitamin D deficiency results in abnormalities in calcium, phosphorus, and bone metabolism and affects one billion people worldwide across all ethnicities and age groups<sup>1</sup>. Our comprehensive calcium metabolism panel enables laboratories to measure Vitamin D deficiencies in line with the Clinical Practice Guidelines set by the Endocrine Society<sup>2</sup>.



## Hypertension

Is a chronic medical condition in which blood pressure in arteries is elevated. Hypertension is a major risk factor for strokes, heart attack, aortic aneurysm, and is a cause of chronic kidney disease. The IDS fully-automated hypertension panel provides laboratories with simple and fast quantitative results.



## Chronic Kidney Disease-Mineral Bone Disorder

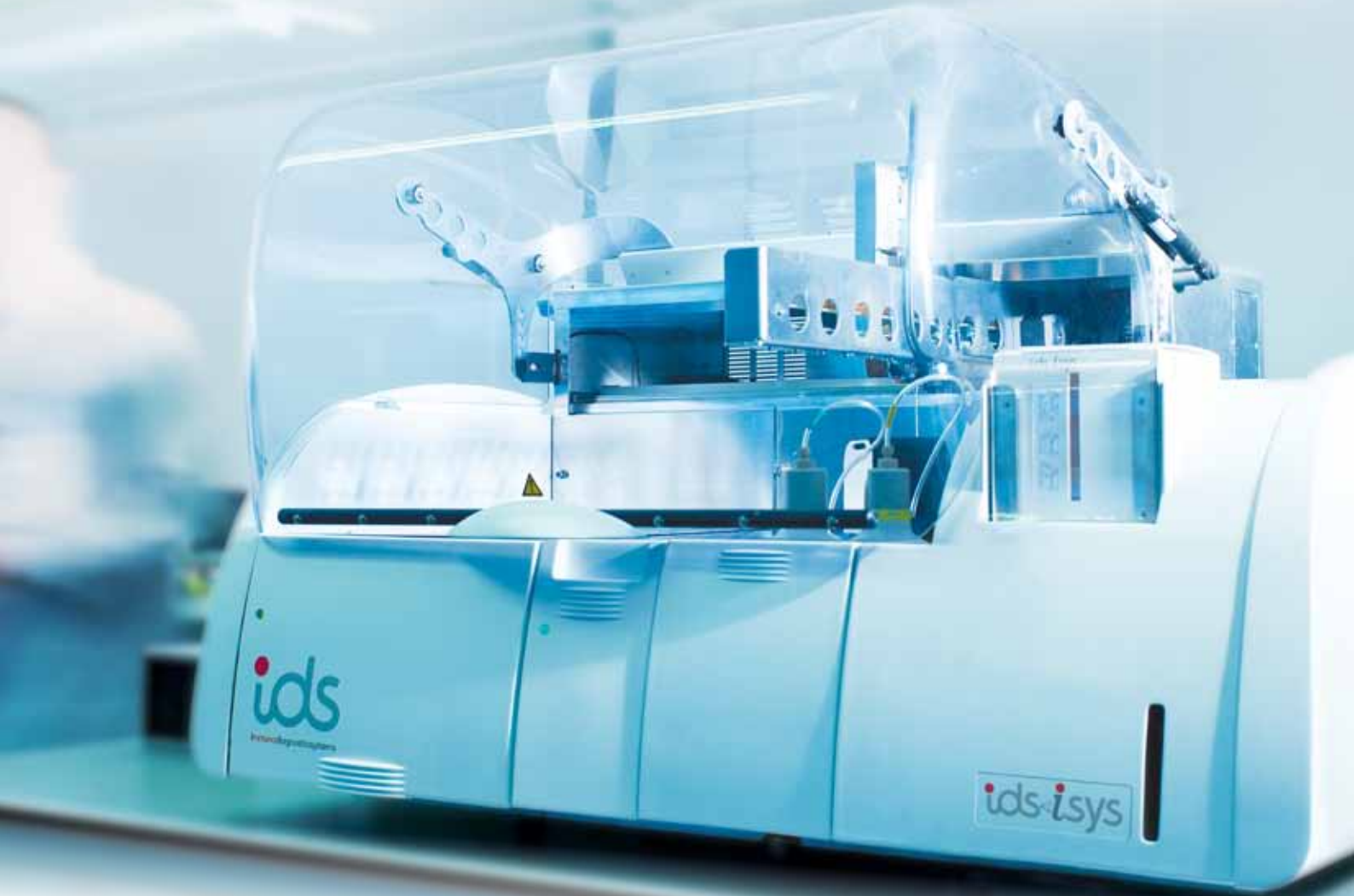
Is a systemic disorder of mineral and bone metabolism due to Chronic Kidney Disease. Building on our expertise in calcium and bone testing, IDS provides a CKD-MBD panel which comprises of bone and calcium metabolism markers including; BAP, PTH and 25(OH)D.



## Growth

There are two main types of growth disorders; excessive growth and growth-hormone deficiency. The IDS Growth panel can be used to identify these diseases and conditions, evaluate pituitary function and monitor the effectiveness of growth hormone (GH) treatment.

1. Holick MF, "Vitamin D deficiency". N. Engl. J. Med. (2007) 357 (3): 266–81.
2. Holick, MF., et al. "Evaluation, treatment, and prevention of vitamin D deficiency: an Endocrine Society clinical practice guideline." The Journal of Clinical Endocrinology & Metabolism 96.7 (2011): 1911-1930.



**ids** *iSYS*

## **Specialty Immunoassay Automation**

IDS - iSYS Multi-discipline Automated System



## The IDS-iSYS: **A Unique Efficient Concept**

The IDS-iSYS is a unique instrument based on Chemiluminescence and Absorbency technology. As a fully-automated solution the IDS-iSYS provides quality and efficiency throughout the complete testing process.

### **Efficiency**

- A total instrument solution based on simplicity and reliability
- A fully automated walk-away system
- Compact, bench-top design
- Continuous loading with batch, random, and STAT flexibility
- Easy operation with auto start-up and shut-down
- Ready-to-use reagents
- On-board refrigeration of reagents

### **Quality**

- 20 years of IVD medical device manufacturing
- Excellent correlation against gold-standard assays
- Independent cuvette processing
- Clot system to prevent measurement interruption
- Decontamination concept, preventing sample carry-over
- Samples, reagents and consumable lot traceability



## Calcium Metabolism

Product	Description	Product Code	Certification
<b>IDS-iSYS 25-Hydroxy Vitamin D<sup>s</sup></b>			
Reagent	100 test cartridge, calibrators included	IS-2700S	CE
Control	3 concentration levels	IS-2730S	
<b>IDS-iSYS 1,25-Dihydroxy Vitamin D</b>			
Reagent	100 test cartridge, calibrators & immunoextraction included	IS-2400	CE/FDA
Control	Assay and extraction controls, 2 concentration levels	IS-2430	
Diluent A	1 vial of 12 mL ready to use	IS-10DA	
<b>IDS-iSYS 1,25 VitD<sup>xp</sup></b>			
Reagent	100 test cartridge, calibrators included	IS-2000	CE
Control	3 concentration levels	IS-2030	
<b>IDS-iSYS Intact PTH</b>			
Reagent	100 test cartridge, calibrators included	IS-3200	CE/FDA
Control	3 concentration levels	IS-3230	
<b>IDS-iSYS PTH (1-34)</b>			
Reagent	100 test cartridge, calibrators included	IS-3600	Research Use Only**
Control	3 concentration levels	IS-3630	



## Bone Metabolism

<b>IDS-iSYS CTX-I (CrossLaps<sup>®</sup>)</b>			
Reagent	100 test cartridge, calibrators included	IS-3000	CE/FDA
Control	3 concentration levels	IS-3030	
<b>IDS-iSYS Intact PINP</b>			
Reagent	100 test cartridge, calibrators included	IS-4000	CE
Control	3 concentration levels	IS-4030	
<b>IDS-iSYS N-MID<sup>®</sup> Osteocalcin</b>			
Reagent	100 test cartridge, calibrators included	IS-2900	CE
Control	3 concentration levels	IS-2930	
<b>IDS-iSYS Ostase<sup>®</sup> BAP</b>			
Reagent	100 test cartridge, calibrators included	IS-2800	CE
Control	3 concentration levels	IS-2830	
<b>IDS-iSYS TRAcP 5b (BoneTRAP<sup>®</sup>)</b>			
Reagent	100 test cartridge, calibrators included	IS-4100	CE
Control	3 concentration levels	IS-4130	



## Hypertension

<b>IDS-iSYS Direct Renin</b>			
Reagent	100 test cartridge, calibrators included	IS-3400	CE/FDA
Control	3 concentration levels	IS-3430	
Diluent B	1 vial of 12 mL ready to use	IS-10DB	
<b>IDS-iSYS Aldosterone</b>			
Reagent	100 test cartridge, calibrators included	IS-3300	CE/FDA
Control	3 concentration levels	IS-3330	
Diluent A	1 vial of 12 mL ready to use	IS-10DA	

KEY: FDA = FDA Approved | CE = CE Marked | \* = Not yet listed with FDA as IVD | \*\* = Not yet CE Marked as IVD



## Growth

Product	Description	Product Code	Certification
<b>IDS-iSYS human Growth Hormone (hGH)</b>			
Reagent	100 test cartridge, calibrators included	IS-3700	CE/FDA
Control	3 concentration levels		
<b>IDS-iSYS Insulin-like Growth Factor-I (IGF-I)</b>			
Reagent	100 test cartridge, calibrators included	IS-3900	CE/FDA
Control	3 concentration levels	IS-3930	
<b>IDS-iSYS Insulin-like Growth Factor Binding Protein-3 (IGFBP-3)</b>			
Reagent	100 test cartridge, calibrators included	IS-4400	CE/FDA
Control	3 concentration levels	IS-4430	

## Chronic Kidney Disease – Mineral Bone Disorder (CKD-MBD)

<b>IDS-iSYS 25-Hydroxy Vitamin D<sup>s</sup></b>			
Reagent	100 test cartridge, calibrators included	IS-2700	CE/FDA
Control	3 concentration levels	IS-2730	
<b>IDS-iSYS 1,25-Dihydroxy Vitamin D</b>			
Reagent	100 test cartridge, calibrators & immunoextraction included	IS-2400	CE/FDA
Control	Assay and extraction controls, 2 concentration levels	IS-2430	
Diluent A	1 vial of 12 mL ready to use	IS-10DA	
<b>IDS-iSYS Intact PTH</b>			
Reagent	100 test cartridge, calibrators included	IS-3200	CE/FDA
Control	3 concentration levels	IS-3230	
<b>IDS-iSYS Intact PINP</b>			
Reagent	100 test cartridge, calibrators included	IS-4000	CE
Control	3 concentration levels	IS-4030	
<b>IDS-iSYS Ostase<sup>®</sup> BAP</b>			
Reagent	100 test cartridge, calibrators included	IS-2800	CE
Control	3 concentration levels	IS-2830	



## Consumables

<b>IDS-iSYS Cartridge Check System (CCS)</b>		IS-6010	CE/FDA
<b>IDS-iSYS Cuvettes</b>	Pack of 960 cuvettes	IS-CC100	CE/FDA
<b>Sample Cups 500 µL</b>	0.5 mL (1000 pieces)	IS-CSC105	CE/FDA
<b>IDS-iSYS Triggers Set</b>	2 x 250 mL (Sufficient for 1000 tests depending on priming)	IS-CT100	CE/FDA
<b>IDS-iSYS System Liquid (Syst.I)</b>	1 x 5 L (Sufficient for 4000 tests depending on assay protocol & priming)	IS-CS100	CE/FDA
<b>IDS-iSYS Wash Solution (Wash S)</b>	1 x 10 L (Sufficient for 1500 tests depending on assay protocol and priming)	IS-CW100	CE/FDA
<b>D-SORB Solution</b>	2 x 1 L (Stable on board up to expiration date)	IS-DS100	CE