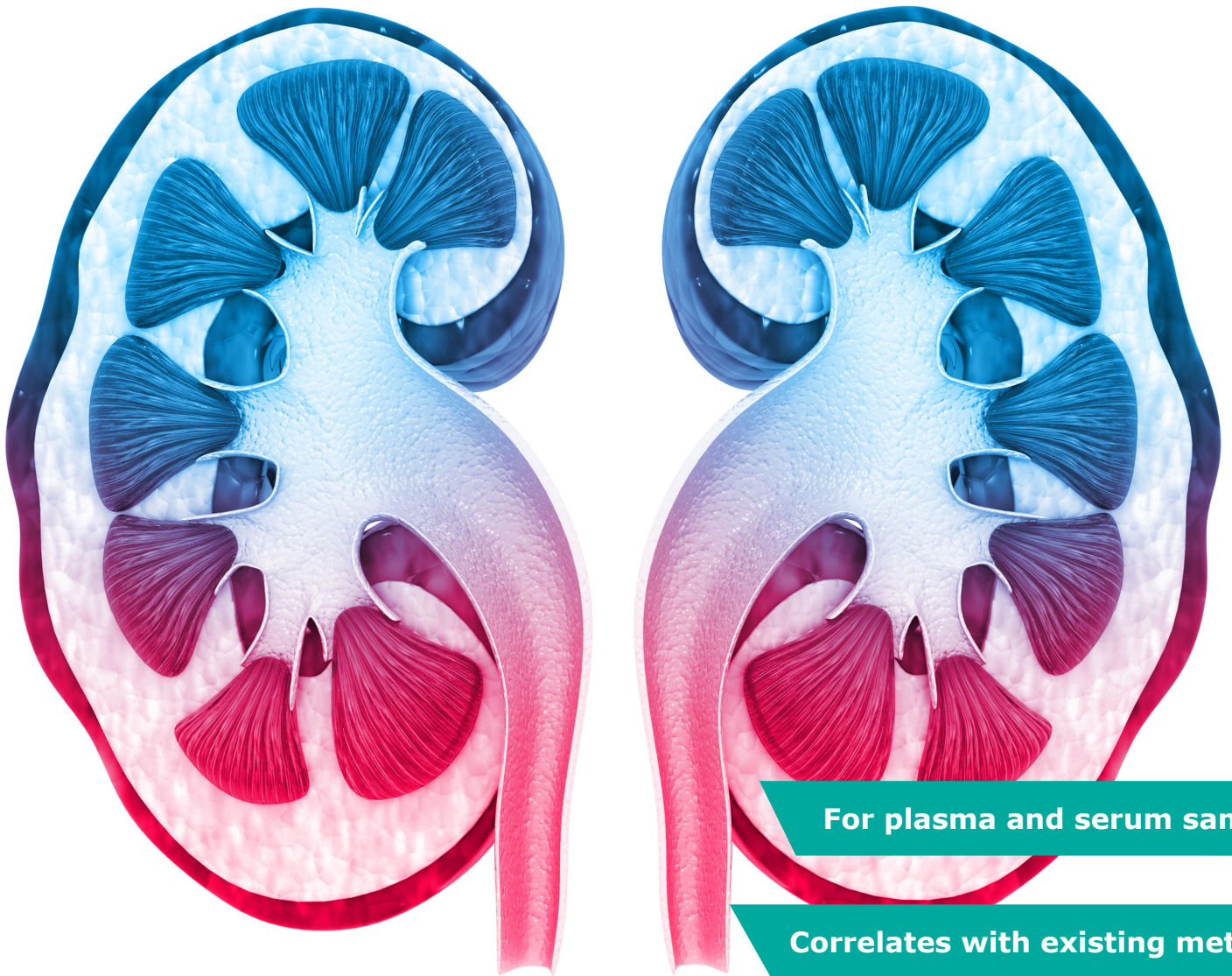


**FGF23 (intact)**  
human **ELISA**

**BIOMEDICA**



For plasma and serum samples

Correlates with existing methods

One-step ELISA

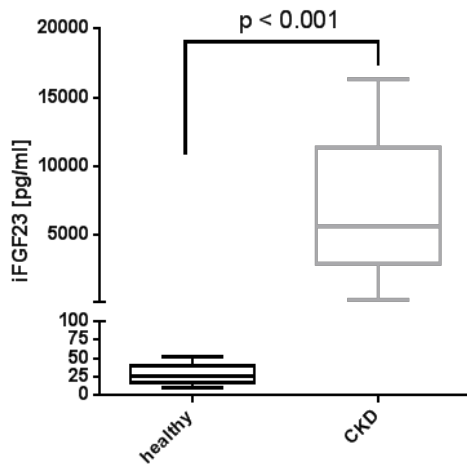
**Setting** the **standard**  
for **clinical** research.



## Features and Benefits

- RELIABLE and FULLY VALIDATED for plasma samples – according to ICH Q2
- FAST ONE-STEP ELISA – only 3.5 h total incubation time
- PLASMA-BASED STANDARDS and CONTROLS INCLUDED – for biologically reliable data
- CHARACTERIZED MONOCLONAL ANTIBODIES – high specificity and sensitivity guaranteed
- COMPARABLE RESULTS – correlates with existing methods

The FGF23 (intact) ELISA **reliably measures intact FGF23 concentrations** in samples of healthy individuals and in patient samples with elevated iFGF23 levels.

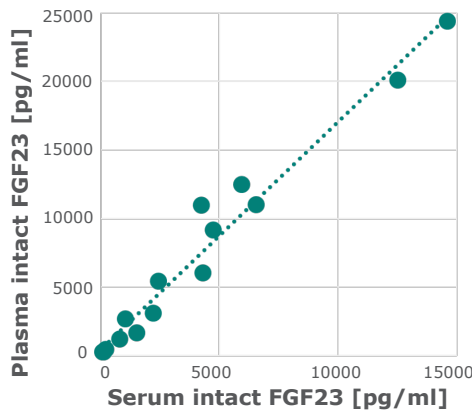


Intact FGF23 (iFGF23) plasma levels in samples from chronic kidney disease (CKD) patients (n=18) are significantly elevated compared with samples of apparently healthy individuals (n=22). Mann-Whitney-U Test;  $p < 0.001$ .

### Values for apparently healthy individuals

Median EDTA plasma (n=22): 24.4 pg/ml  
 Median heparin plasma (n=22): 26.4 pg/ml  
 Median citrate plasma (n=22): 17.4 pg/ml  
 Median serum (n=22): 14.9 pg/ml

Intact FGF23 measurements are **highly correlated in serum and plasma**.



Intact FGF23 (iFGF23) levels measured in serum and plasma samples from chronic kidney disease (CKD) patients (n=16) are highly correlated ( $R = 0.9835$ ).

## Assay Characteristics

- Method: Sandwich ELISA, HRP/TMB, 12x8-well strips
- Sample type: Plasma (EDTA, heparin, citrate), serum, urine, cell culture supernatant\*
- Sample volume: 50  $\mu$ l / test
- Assay time: 3.5 h
- Sensitivity: 5.4 pg/ml
- Standard range: 0 to 1600 pg/ml (7 standards and 2 controls in a human plasma matrix)
- Specificity: Endogenous and recombinant human intact FGF23
- Precision: Within-run (n=3):  $\leq 8\%$  CV

\* This ELISA is optimized and validated for human plasma samples. Serum, urine and cell culture supernatant are compatible with this ELISA. More information and full validation report are available at [www.bmgrp.com](http://www.bmgrp.com)

## Related Biomedica Products

- FGF23 (C-terminal) multi-matrix ELISA, Cat.No. BI-20702
- Bioactive Sclerostin ELISA, Cat.No. BI-20472
- Sclerostin ELISA, Cat.No. BI-20492
- Human Endostatin ELISA, Cat.No. BI-20742