

## Bioactive Sclerostin ELISA, BI-20472

### Protocol for the measurement of human bioactive Sclerostin in urine samples

The Biomedica ELISA is fully validated for the measurement of human bioactive Sclerostin in serum, EDTA-plasma, heparin plasma, and citrate plasma.

The ELISA has not been fully validated for the measurement of bioactive Sclerostin in urine samples but can be used for this sample matrix.

#### Performance check:

Urine samples (n=4) were assayed with the bioactive Sclerostin ELISA following the standard protocol using undiluted urine.

- Endogenous bioactive Sclerostin was not detectable in those samples.
- Urine samples can be spiked:  
The average recovery of 4 human urine samples from hospital donors was 103%.
- If required, dilute urine samples 1+1 with ASYBUF (Assay buffer, supplied in the kit).

STD1-7 provided in the kit were used to calculate concentrations.

Sample ID	bioactive Sclerostin [pmol/l]		S/R [%]
	reference	+160 pmol/l	
#U1	0	171	107
#U2	0	146	91
#U3	0	177	111
#U4	0	167	104
<b>Mean S/R [%]</b>			<b>103</b>

#### **Suggested protocol for the measurement of human bioactive Sclerostin in urine samples**

Follow standard protocol as indicated in the package insert:

Pipette **20 µl** of **undiluted urine sample** directly into the well of the microtiter plate.

If required, dilute samples 1+1 with assay buffer (provided in the kit).