

Optical fiber ball resonator sensor spectral interrogation through undersampled KLT: application to refractive index sensing and cancer biomarker biosensing

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Table S1. The fabrication parameters of the ball resonator using CO₂ laser splicer (Fujikura LZM-100). Pre-heat value and the power levels are reported in bit units, as displayed on the splicer.

Parameters	Diameters (x, y axes), μm
	490-484
Pre-heat (bit)	1
Absolute power (bit)	342
Relative power (bit)	90
Break-add power (bit)	100
Feeding speed (mm/sec)	0.2
Rotator speed (deg./sec)	180
Diameter adjustment (μm)	-10