

# Supporting Information

Eggl et al. 10.1073/pnas.1500938112

**Table S1. Measured density of the fluids in the fluid phantom**

Sample	Solution, wt %	Density $\rho_s$ , g/cm <sup>3</sup>
1	H <sub>2</sub> O(demineralized)	0.997
2	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	1.260
3	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub> (75%) + C <sub>2</sub> H <sub>6</sub> O(25%)	1.110
4	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub> (50%) + C <sub>2</sub> H <sub>6</sub> O(50%)	0.982
5	H <sub>2</sub> O(95%) + NaCl(5%)	1.033
6	H <sub>2</sub> O(90%) + NaCl(10%)	1.069
7	C <sub>2</sub> H <sub>6</sub> O(98.75%) + NaCl(1.25%)	0.800

The density was measured using the buoyancy of a gauged glass structure. Data from ref. 1.

1. Tapfer A, et al. (2012) Experimental results from a preclinical X-ray phase-contrast CT scanner. *Proc Natl Acad Sci USA* 109(39):15691–15696.