

Is the refractive index of the sample known?

Yes

No

Dilute Iodixanol to
match RI

Determine tissue RI by phase contrast imaging
Loss of contrast indicates RI match

$$RI_{(\text{media})} \approx 0.0016 \cdot c_{(\% \text{ Iodixanol})} + 1.333$$

$$c_{(\% \text{ Iodixanol})} \approx \frac{RI_{(\text{media})} - 1.333}{0.0016}$$

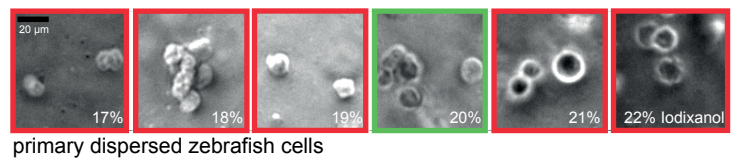
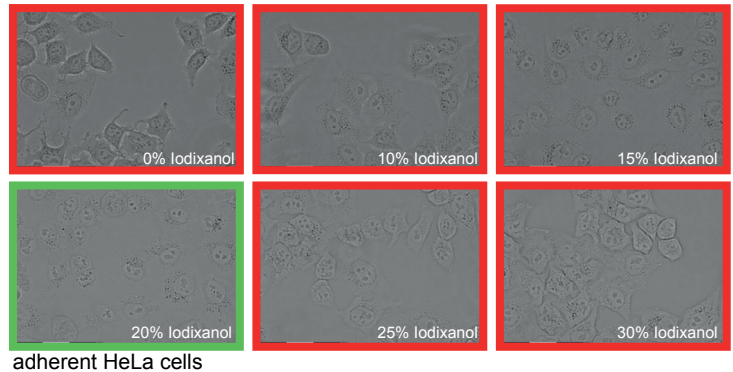


Figure 4 - Supplement 2