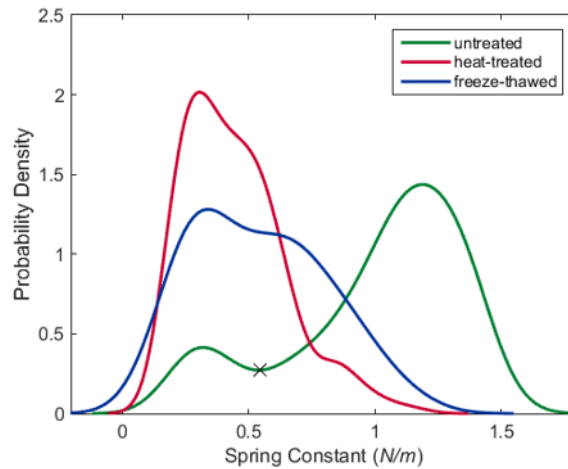


**S4 Figure: Probability Density Functions Fitted to *Cryptosporidium parvum* Spring Constant Data.**



**S4:** Probability density estimation of spring constant data for untreated and temperature-inactivated *C. parvum*. Spring constant data has been fitted with a kernel probability density function (PDF) – a non-parametric estimation of the PDF – due to data skewness. For untreated *C. parvum*, the smaller peak of the PDF occurs at similar spring constant values to the peaks of the PDFs for temperature-inactivated oocysts. Sample viability of the untreated sample was estimated at 86% due to 14% of oocysts being distributed to the left side of the minima (indicated by black cross) between the two peaks of the PDF.