

Effects of Gas Type, Oil, Salts and Detergent on Formation and Stability of Air and Carbon Dioxide Bubbles Produced by Using a Nanobubble Generator

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Table S1. Compositions and physicochemical properties of substances [1-2].

Detergent (Decon Labs. Inc)		Tap water	
Composition	% in product	Parameter	Value
Water	60-65	pH	7.8
LES-ME 27	19-23	Turbidity (NTU)	0.05
Colateric COAB	Trace	Total Organic Carbon (mg/L C)	1.6
PEG-75 Lanolin	Trace	Conductivity ($\mu\text{S}/\text{cm}$)	382
Citric Acid	Trace	Alkalinity Total (mg CaCO_3/L)	121
		Total Chlorine (mg/L)	2.06

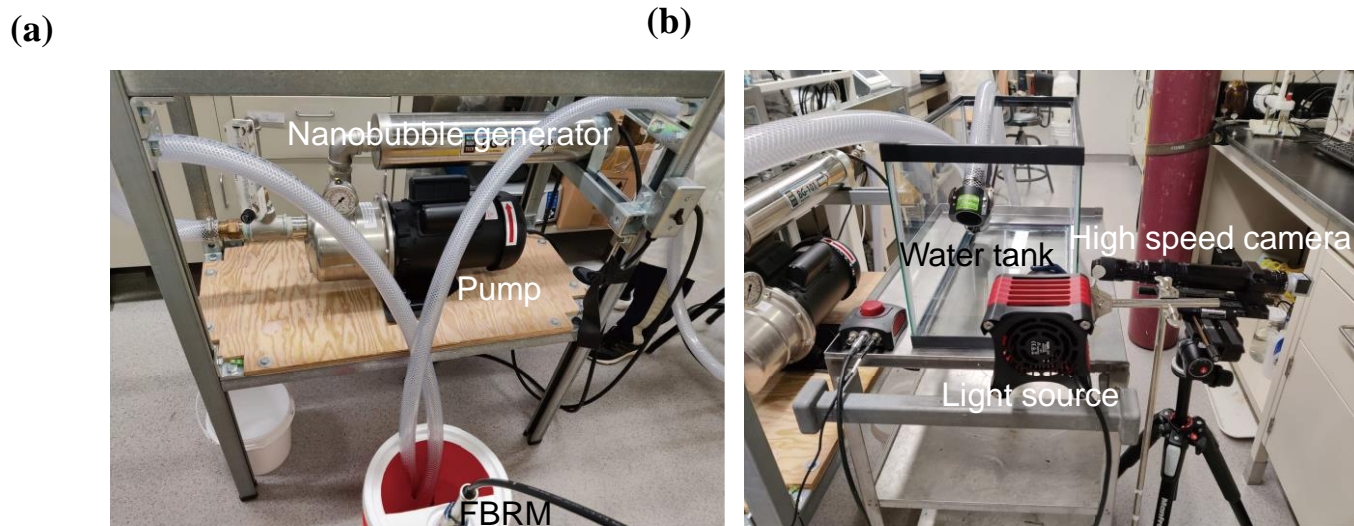


Figure S1. Pictures of (a) nanobubble generator system, and (b) high-speed camera setup for visualization of bubbles generated in the water tank.

References

1. <https://deconlabs.com/products/skin-care-bacdown-handsoap/>
2. https://www.epcor.com/products-services/water/water-quality/Pages/water-quality-reports-edmonton.aspx#/waterworks_