

FIGURE 1

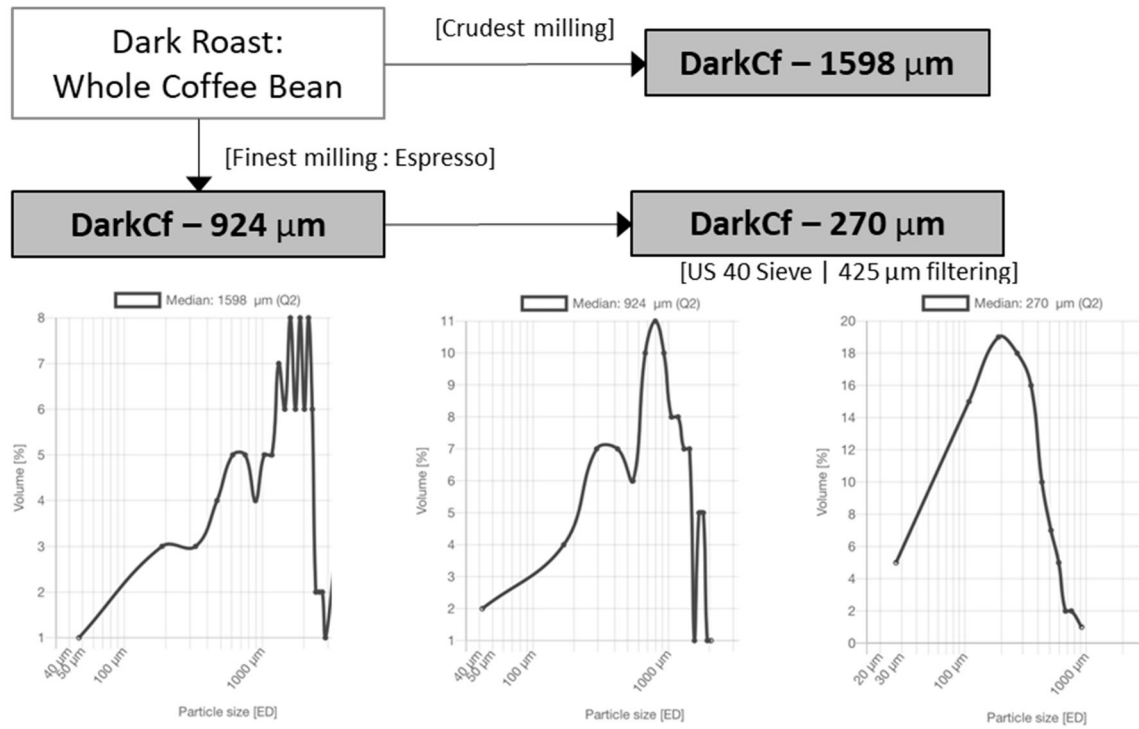


FIGURE 2

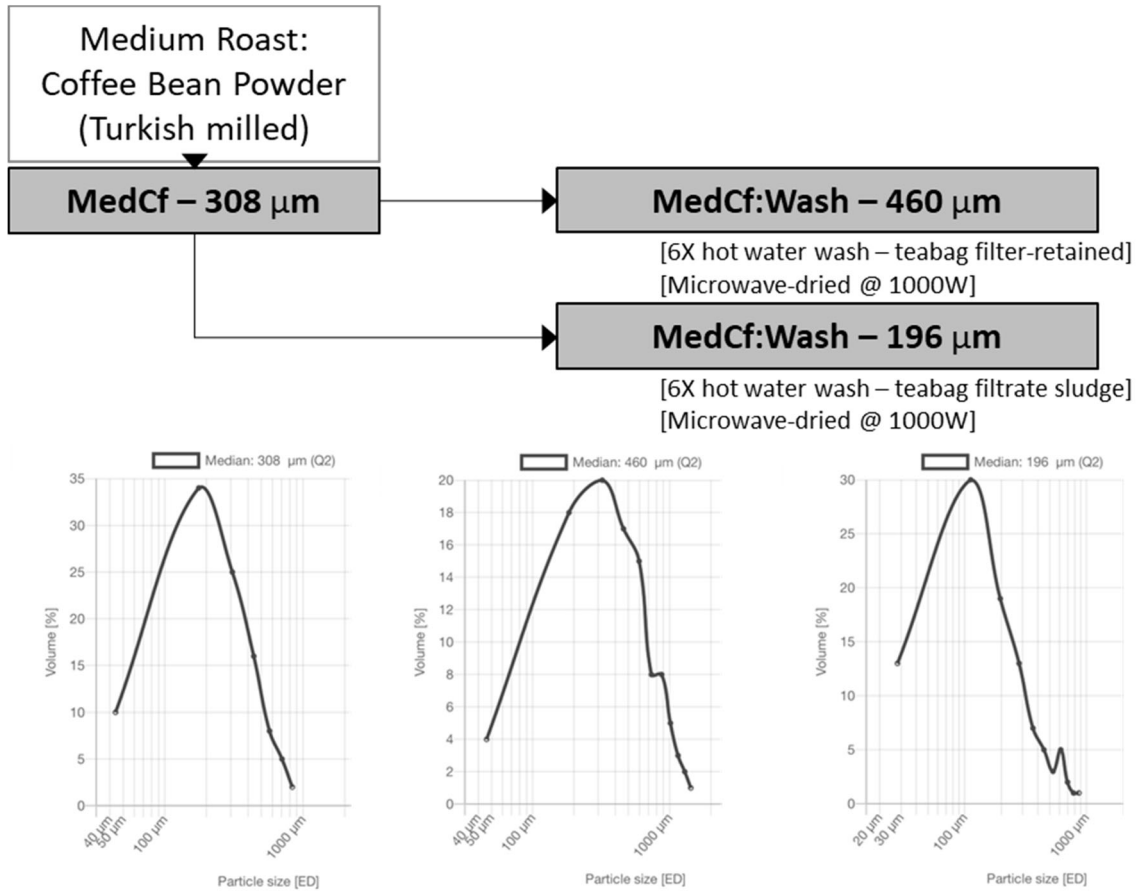


FIGURE 3

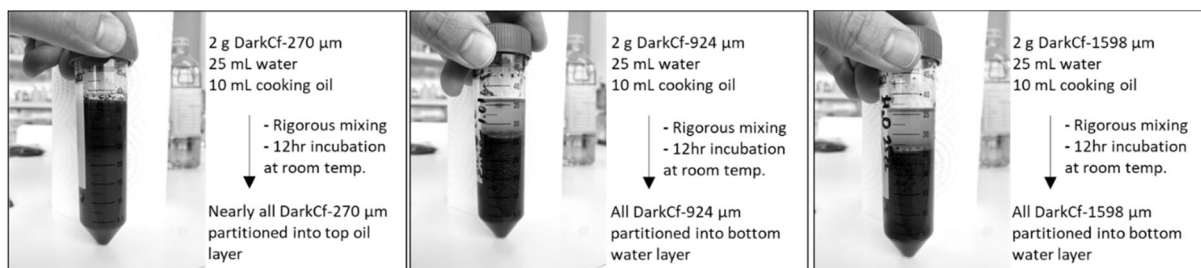


FIGURE 4

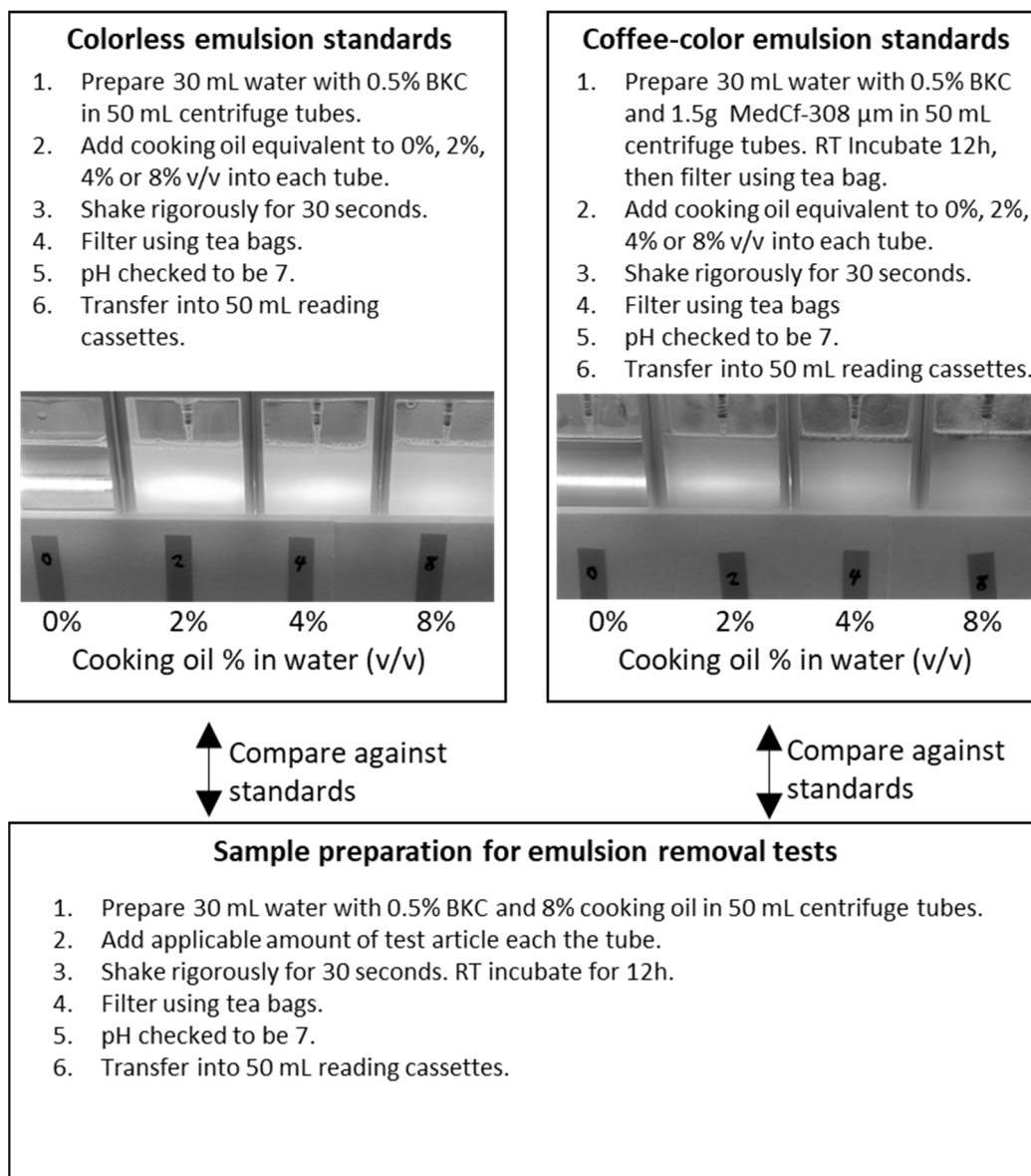


FIGURE 5

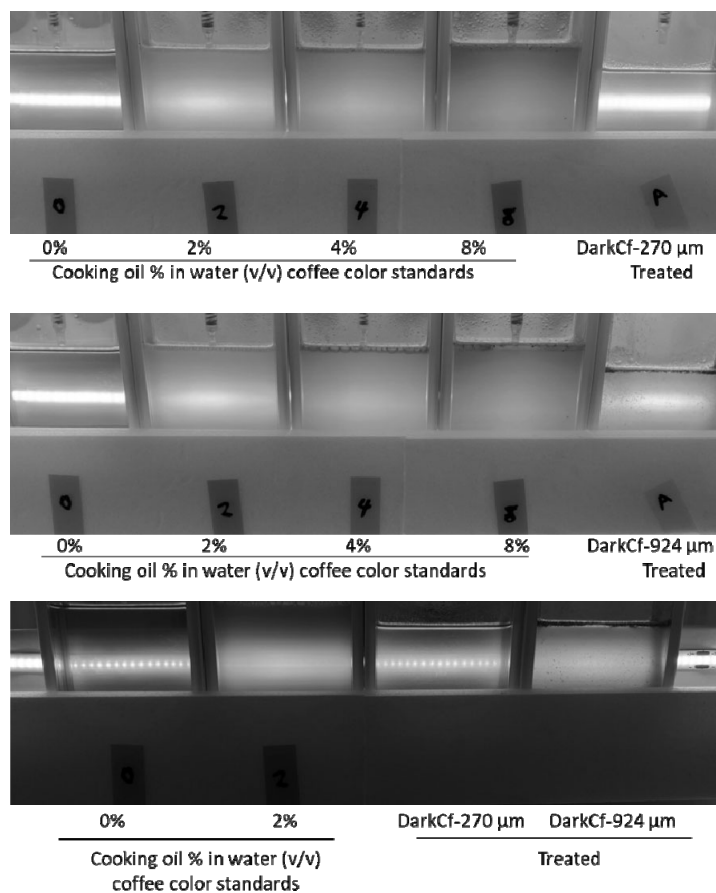


Figure 1. Particle size reduction enhanced oil emulsion removal capacity by fresh dark roast coffee grounds as indicated by reduced light scattering.

FIGURE 6

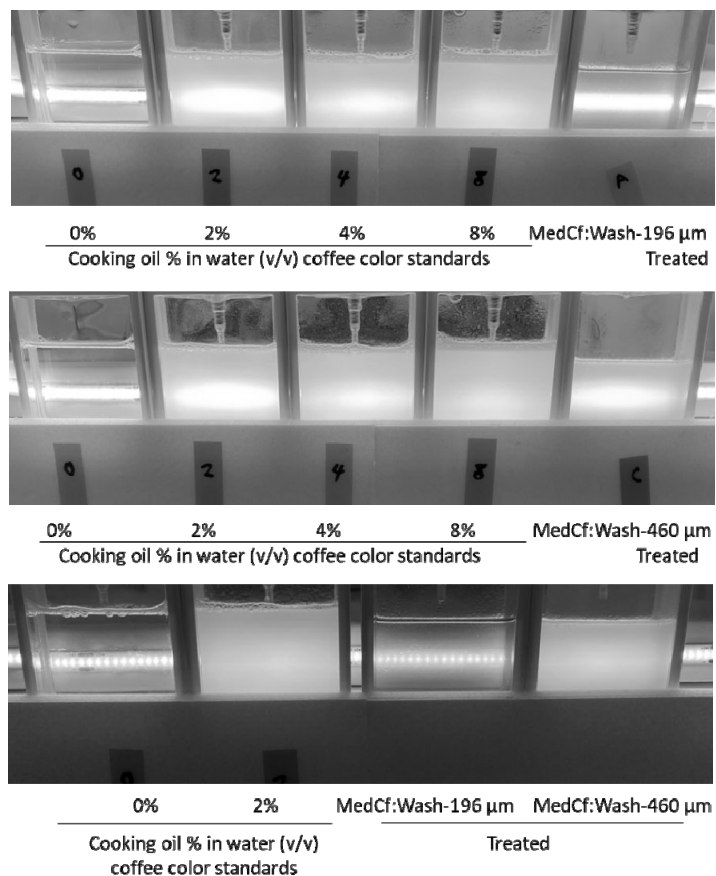


Figure 2. Medium roast and 6x washed spent coffee grounds also displayed enhanced oil emulsion capacity upon particle size reduction as indicated by reduced light scattering.

FIGURE 7

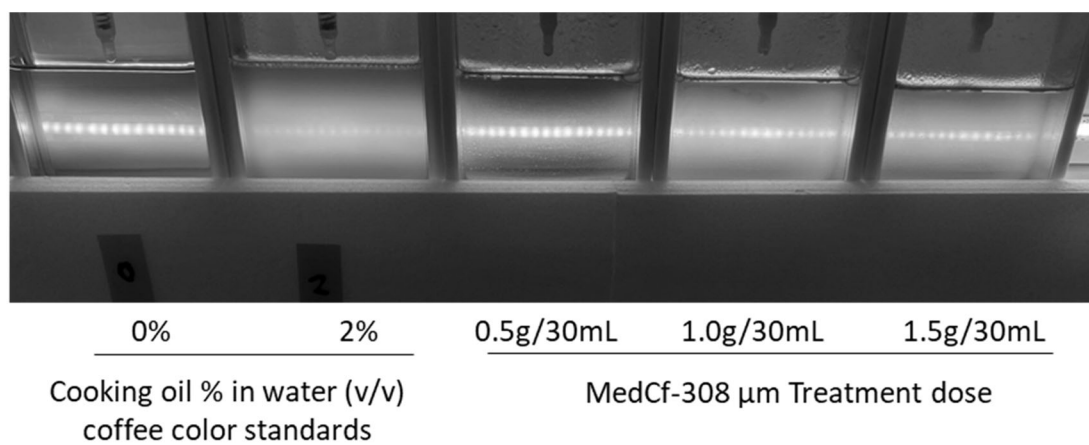
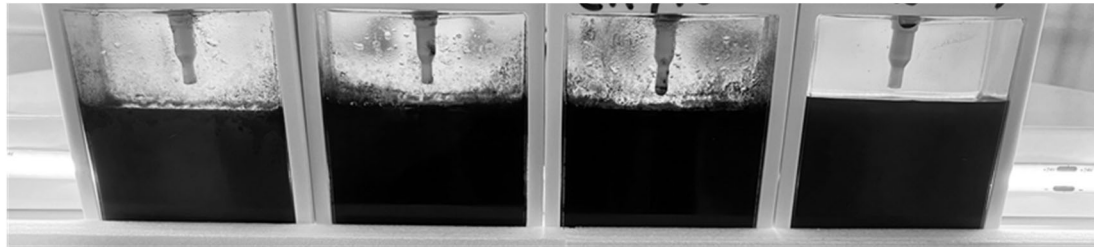


FIGURE 8



0.5g/30mL

1.0g/30mL

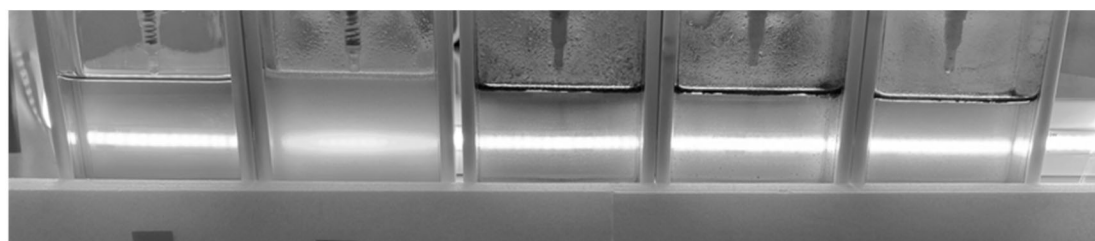
1.5g/30mL

0.5g/30mL

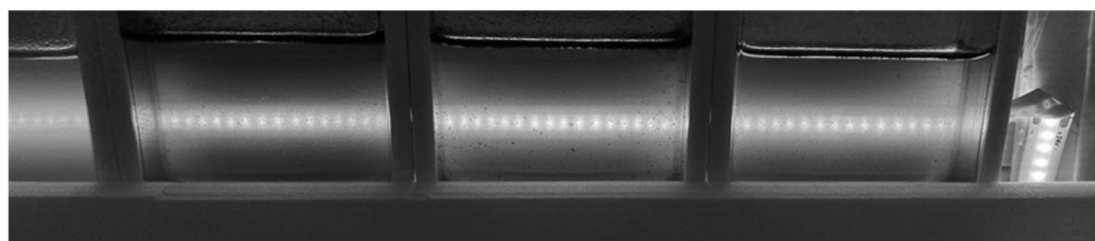
Activated bamboo charcoal in 8% v/v
oil-water emulsion with 0.5% BKC

Activated bamboo
charcoal in water
with 0.5% BKC.
NO OIL.

FIGURE 9



0%	2%	0.5g/30mL	1.0g/30mL	1.5g/30mL
Cooking oil % in water (v/v) coffee color standards		MedCf-308/AC mix 5:1 Treatment dose		



0.5g/30mL	1.0g/30mL	1.5g/30mL
MedCf-308/AC mix 5:1 Treatment dose		