

Supplementary Material 1. Compositional data points of pseudoternary phase diagram

Smix ratio	Smix (ml)	Oil (ml)	Water (ml)	% of Smix	% of Oil	% of water	Total
1:1	1	9	0.1	9.90	89.11	0.99	100
	2	8	0.4	19.23	76.92	3.85	100
	3	7	0.3	29.13	67.96	2.91	100
	4	6	0.3	38.83	58.25	2.91	100
	5	5	0.2	49.02	49.02	1.96	100
	6	4	0.3	58.25	38.83	2.91	100
	7	3	0.6	66.04	28.30	5.66	100
	8	2	3.3	60.15	15.04	24.81	100
	9	1	5.6	57.69	6.41	35.90	100
1:2	1	9	0.2	9.80	88.24	1.96	
	2	8	0.3	19.42	77.67	2.91	
	3	7	0.3	29.13	67.96	2.91	
	4	6	0.4	38.46	57.69	3.85	
	5	5	0.6	47.17	47.17	5.66	
	6	4	0.7	56.07	37.38	6.54	
	7	3	0.7	65.42	28.04	6.54	
	8	2	2.7	62.99	15.75	21.26	
	9	1	5.5	58.06	6.45	35.48	

Smix ratio	Smix (ml)	Oil (ml)	Water	% of Smix	% of Oil	% of water
1:3	1	9	0.2	9.80	88.24	1.96
	2	8	0.2	19.61	78.43	1.96
	3	7	0.3	29.13	67.96	2.91
	4	6	0.5	38.10	57.14	4.76
	5	5	0.3	48.54	48.54	2.91
	6	4	0.5	57.14	38.10	4.76
	7	3	0.6	66.04	28.30	5.66
	8	2	2.8	62.50	15.63	21.88

	9	1	3.6	66.18	7.35	26.47
1:4	1	9	0.1	9.90	89.11	0.99
	2	8	0.2	19.61	78.43	2.94
	3	7	0.3	29.13	67.96	2.91
	4	6	0.7	37.38	56.07	6.54
	5	5	0.8	46.30	46.30	7.41
	6	4	0.9	55.05	36.70	8.26
	7	3	0.9	64.22	27.52	8.26
	8	2	1.1	72.07	18.02	9.91
	9	1	2.5	72.00	8.00	20.00

Smix ratio	Smix (ml)	Oil (ml)	Water	% of Smix	% of Oil	% of water
2:1	1	9	0.1	9.90	89.11	0.99
	2	8	0.2	19.61	78.43	1.96
	3	7	0.3	29.13	67.96	2.91
	4	6	0.4	38.46	57.69	3.85
	5	5	0.5	47.62	47.62	4.76
	6	4	0.7	56.07	37.38	6.54
	7	3	0.9	64.22	27.52	8.26
	8	2	2.8	62.50	15.63	21.88
	9	1	3.4	67.16	7.46	25.37
3:1	1	9	0.2	9.80	88.24	1.96
	2	8	0.3	19.42	77.67	2.91
	3	7	0.3	29.13	67.96	2.91
	4	6	0.5	38.10	57.14	4.76
	5	5	0.6	47.17	47.17	5.66
	6	4	0.7	56.07	37.38	6.54
	7	3	2.1	57.85	24.79	17.36
	8	2	2.8	62.50	15.63	21.88
	9	1	6.9	53.25	5.92	40.83

Smix ratio	Smix (ml)	Oil (ml)	Water	% of Smix	% of Oil	% of water
4:1	1	9	0.3	9.71	87.38	2.91
	2	8	0.4	19.23	76.92	3.85

	3	7	0.4	28.85	67.31	3.85
	4	6	0.5	38.10	57.14	4.76
	5	5	0.5	47.62	47.62	4.76
	6	4	0.6	56.60	37.74	5.66
	7	3	0.8	64.81	27.78	7.41
	8	2	1.5	69.57	17.39	13.04
	9	1	2.2	73.77	8.20	18.03

Water is titrated.

In the ternary plot diagram “area” is used.