

Sample list – concentrations are presented in the paper

Pure choline chloride:malonic acid

Solvent	Surfactant	Sample#		Surfactant	Sample#		Surfactant	Sample#
h-ChCl:h-Malonic acid	-	MWH0	d-ChCl:d-malonic acid	-	MWD0	h-ChCl:d-malonic acid	-	MWHD0
	d-C12-h-TAB	CM22		h-C12-h-TAB	CM27		d-C12-h-TAB	CM32
		CM23			CM28			CM33
		CM24			CM29			CM34
		CM25			CM30			CM35
	d-C14-h-TAB	CM42		h-C14-h-TAB	CM47		d-C14-h-TAB	CM32
		CM43			CM48			CM33
		CM44			CM49			CM34
		CM45			CM30			CM35
	d-C16-h-TAB	CM62		h-C16-h-TAB	CM67		d-C16-h-TAB	CM32
		CM63			CM68			CM33
		CM64			CM69			CM34
		CM65			CM30			CM35

Hydrated choline chloride:malonic acid

Solvent	Surfactant	Sample#		Surfactant	Sample#
h-ChCl:h-Malonic acid:2H2O	-	MWH2	d-ChCl:d-malonic acid:2D2O	-	MWD2
	d-C12-h-TAB	W212		h-C12-h-TAB	W232
		W22			W24
	d-C14-h-TAB	W41		h-C14-h-TAB	W43
		W42			W44
	d-C16-h-TAB	W61		h-C16-h-TAB	W63
		W62			W64

h-ChCl:h-Malonic acid:5H2O	-	MWH5	d-ChCl:d-malonic acid:5D2O	-	MWD5
	d-C12-h-TAB	W252		h-C12-h-TAB	W272
		W26			W28
	d-C14-h-TAB	W45		h-C14-h-TAB	W47
		W46			W48
	d-C16-h-TAB	W65		h-C16-h-TAB	W67
		W66			W68
h-ChCl:h-Malonic acid:10H2O	-	MWH10	d-ChCl:d-malonic acid:10D2O	-	MWD10
	d-C12-h-TAB	W292		h-C12-h-TAB	W312
		W30			W32
	d-C14-h-TAB	W49		h-C14-h-TAB	W51
		W50			W52
	d-C16-h-TAB	W69		h-C16-h-TAB	W71
		W70			W72
h-ChCl:h-Malonic acid:20H2O	-	MWH20	d-ChCl:d-malonic acid:20D2O	-	MWD20
	d-C12-h-TAB	W332		h-C12-h-TAB	W352
		W34			W36
	d-C14-h-TAB	W53		h-C14-h-TAB	W55
		W54			W56
	d-C16-h-TAB	W73		h-C16-h-TAB	W75
		W74			W76