

	ULTRASOUND TIME (min)	CENTRIFUGATION TIME (min)	VOLUME IL RECOVERED ( $\mu$ L)	BPA REMOVAL (%)
50 $\mu$ L comercial IL	2	15	10	-
		30	10	-
		45	10	-
		60	10	-
	5	15	10	-
		30	10	-
		45	10	-
		60	10	-
	10	15	10	-
		30	10	-
		45	10	-
		60	10	-
	20	15	10	-
		30	10	-
		45	10	-
		60	10	-
	30	15	10	5
		30	10	5
		45	10	5
		60	10	5
	60	15	10	5
		30	10	5
		45	10	5
		60	10	5
100 $\mu$ L comercial IL	2	15	85	10
		30	85	10
		45	85	10
		60	85	10
	5	15	85	15
		30	85	15
		45	85	15
		60	85	15
	10	15	85	50
		30	85	50
		45	85	50
		60	85	50
	20	15	85	65
		30	85	65
		45	85	65
		60	85	65
	30	15	85	85
		30	85	85
		45	85	85
		60	85	85
	60	15	85	85
		30	85	85
		45	85	85
		60	85	85
In-situ IL	-	20	33	100

**Table S1. Experimental conditions and results for the use of commercial IL ([C<sub>8</sub>C<sub>1</sub>im][NTf<sub>2</sub>]) and in-situ IL.**