RAW DATA	Trapped					Untrappe d				
Group	Sample 1	Sample 2	Sample 2	Average	Standard Deviation	Sample 1	Sample 2	Sample 2	Average	Standard Deviation
0% RBC - MNPs	0.4	0.4	0.5	0.433333333	0.057735027	30.4	25.8	23.8	26.66666667	3.384277372
0% RBC + MNP	150	169	238	185.6666667	46.30694692	180	204	87	157	61.79805822
1% RBC - MNPs	0.8	0.9	1.2	0.966666667	0.2081666	26.2	22.5	24.5	24.4	1.852025918
1% RBC + MNP	64	43	114	73.66666667	36.47373484	55	41	37	44.33333333	9.451631253
5% RBC - MNPs	0.9	0.7	0.8	0.8	0.1	18.9	24.6	18.7	20.73333333	3.350124376
5% RBC + MNP	49	20	28	32.33333333	14.97776129	88	72	56	72	16
10% RBC - MNPs	1.5	1.3	2	1.6	0.360555128	27.3	18.4	15	20.23333333	6.351640208
10% RBC + MNP	53	31	45	43	11.13552873	68	98	50	72	24.24871131
20% RBC - MNP	1.3	3	2.9	2.4	0.953939201	29.5	32.7	17.1	26.43333333	8.239741096
20% RBC + MNPs	8	24	33	21.66666667	12.66227994	57	51	63	57	6
40% RBC + MNP	27	21	22	23.33333333	3.214550254	105	59	62	75.33333333	25.73583753
40% RBC - MNP	1.3	1.9	2.7	1.966666667	0.702376917	18.7	15.8	10	14.83333333	4.429823172
PROCESSED DATA			Dorcontago Trans	Percentage Untrapped						
Group	Trapped 0.4333333		1.60	98.40	-					
0% RBC - MNPs		26.6666667								
0% RBC + MNP	185.66667	157	54.18	45.82	-					
1% RBC - MNPs	0.9666667	24.4	3.81	96.19						
1% RBC + MNP	73.666667	44.3333333	62.43	37.57						
5% RBC - MNPs	8.0	20.7333333	3.72	96.28						
5% RBC + MNP	32.333333	72	30.99	69.01	-					
10% RBC - MNPs	1.6	20.2333333	7.33	92.67						
10% RBC + MNP	43	72	37.39	62.61						
20% RBC - MNP	2.4	26.4333333	8.32	91.68						
20% RBC + MNPs	21.666667	57	27.54	72.46						
40% RBC + MNP	23.333333	75.3333333	23.65	76.35						
STDEV	Trapped					Untrapped				
Group	Sample 1	Sample 2	Sample 2	Average	STDEV	Sample 1	Sample 2	Sample 2	Average	STDEV
0% RBC - MNPs	1.2987013	1.52671756	2.057613169	1.627677342	0.389398851	98.7012987	98.4732824	97.9423868	98.37232266	0.389398851
0% RBC + MNP	45.454545	45.308311	73.23076923	54.66454189	16.07899077	54.5454545	54.691689	26.7692308	45.33545811	16.07899077
1% RBC - MNPs	2.962963	3.84615385	4.6692607	3.826125837	0.853325163	97.037037	96.1538462	95.3307393	96.17387416	0.853325163
1% RBC + MNP	53.781513	51.1904762	75.49668874	60.15622585	13.34824778	46.2184874	48.8095238	24.5033113	39.84377415	13.34824778
5% RBC - MNPs	4.5454545	2.76679842	4.102564103	3.804939022	0.92592652	95.4545455	97.2332016	95.8974359	96.19506098	0.92592652
5% RBC + MNP	35.766423	21.7391304	33.33333333	30.27962904	7.495670024	64.2335766	78.2608696	66.6666667	69.72037096	7.495670024
10% RBC - MNPs	5.2083333	6.59898477	11.76470588	7.857341329	3.454576844	94.7916667	93.4010152	88.2352941	92.14265867	3.454576844
10% RBC + MNP	43.801653	24.0310078	47.36842105	38.40036057	12.57136365	56.1983471	75.9689922	52.6315789	61.59963943	12.57136365
20% RBC - MNP	4.2207792	8.40336134	14.5	9.041380188	5.16922586	95.7792208	91.5966387	85.5	90.95861981	5.16922586
20% RBC + MNPs	12.307692	32	34.375	26.2275641	12.11331001	87.6923077	68	65.625	73.7724359	12.11331001
40% RBC + MNP	20.454545	26.25	26.19047619	24.29834055	3.328957241	79.5454545	73.75	73.8095238	75.70165945	3.328957241
					1					

Table S2: Raw data used to calculate the trapping results for the large magnet (strength 0.4T), Figure 7b.