RAW DATA

Group	Trapped					Untrapped				
	Sample 1	Sample 2	Sample 2	Average	Standard Deviation	Sample 1	Sample 2	Sample 2	Average	Standard Deviation
0% RBC - MNPs	17	25	30	24	6.557438524	96	138	116	116.66667	21.00793501
0% RBC + MNP	133	87	104	108	23.2594067	95	128	86	103	22.11334439
1% RBC - MNPs	9	11	22	14	7	2110	1380	1700	1730	365.9234893
1% RBC + MNP	141	127	174	147.3333333	24.13158373	740	930	780	816.66667	100.166528
5% RBC - MNPs	5	6	8	6.333333333	1.527525232	1150	1140	1370	1220	130
5% RBC + MNP	125	75	101	100.3333333	25.00666578	1010	1030	910	983.33333	64.29100507
10% RBC - MNPs	11	13	8	10.66666667	2.516611478	560	1030	840	810	236.4318084
10% RBC + MNP	85	25	58	56	30.0499584	1080	1860	1170	1370	426.7317659
20% RBC - MNP	29	46	33	36	8.888194417	5880	6530	5550	5986.6667	498.6314604
20% RBC + MNPs	108	56	42	68.66666667	34.77547028	1730	700	460	963.33333	674.7098142
40% RBC + MNP	56	43	31	43.33333333	12.50333289	2180	3170	2910	2753.3333	513.2575702

PROCESSED DATA

Group	Trapped	Untrapped	Percentage Trapped	Percentage Untrapped
0% RBC - MNPs	24	116.6667	17.06	82.94
0% RBC + MNP	108	103	51.18	48.82
1% RBC - MNPs	14	1730	0.80	99.20
1% RBC + MNP	147.33333	816.6667	15.28	84.72
5% RBC - MNPs	6.3333333	1220	0.52	99.48
5% RBC + MNP	100.33333	983.3333	9.26	90.74
10% RBC - MNPs	10.666667	810	1.30	98.70
10% RBC + MNP	56	1370	3.93	96.07
20% RBC - MNP	36	5986.667	0.60	99.40
20% RBC + MNPs	68.666667	963.3333	6.65	93.35
40% RBC + MNP	43.333333	2753.333	1.55	98.45

STDEV

Group	Trapped					Untrapped				
	Sample 1	Sample 2	Sample 2	Average	STDEV	Sample 1	Sample 2	Sample 2	Average	STDEV
0% RBC - MNPs	15.044248	15.33742	20.54794521	16.97653877	3.096400479	84.95575221	84.66257669	79.45205479	83.023461	3.096400479
0% RBC + MNP	58.333333	40.46512	54.73684211	51.17843057	9.450662128	41.66666667	59.53488372	45.26315789	48.821569	9.450662128
1% RBC - MNPs	0.4247286	0.790798	1.277584204	0.831036946	0.427849309	99.57527135	99.20920201	98.7224158	99.168963	0.427849309
1% RBC + MNP	16.00454	12.01514	18.23899371	15.41955706	3.152895743	83.9954597	87.98486282	81.76100629	84.580443	3.152895743
5% RBC - MNPs	0.4329004	0.52356	0.580551524	0.512337389	0.074462574	99.56709957	99.47643979	99.41944848	99.487663	0.074462574
5% RBC + MNP	11.013216	6.78733	9.990108803	9.26355166	2.204640813	88.98678414	93.21266968	90.0098912	90.736448	2.204640813
10% RBC - MNPs	1.9264448	1.246405	0.943396226	1.372081887	0.503430458	98.07355517	98.7535954	99.05660377	98.627918	0.503430458
10% RBC + MNP	7.2961373	1.32626	4.723127036	4.448508107	2.994398218	92.70386266	98.67374005	95.27687296	95.551492	2.994398218
20% RBC - MNP	0.4907768	0.699513	0.591080064	0.593790076	0.104394685	99.50922322	99.30048662	99.40891994	99.40621	0.104394685
20% RBC + MNPs	5.8759521	7.407407	8.366533865	7.216631131	1.256203027	94.12404788	92.59259259	91.63346614	92.783369	1.256203027
40% RBC + MNP	2.5044723	1.338313	1.054063244	1.632282873	0.768593037	97.49552773	98.6616869	98.94593676	98.367717	0.768593037

Table S1: Raw data used to calculate the trapping results for the small magnet (strength 0.2T), Figure 7a.