

RPM Converted to G Force



	Radius (cm)										
	5	6	7	8	9	10	11	12	13	14	15
Speed (RPM)	G Force										
1000	56	67	78	89	101	112	123	134	145	157	168
1500	101	151	176	201	226	252	277	302	327	352	377
2000	224	268	313	358	402	447	492	537	581	626	671
2500	349	419	489	559	629	699	769	839	908	978	1048
3000	503	604	704	805	906	1006	1107	1207	1308	1409	1509
3500	685	822	959	1096	1233	1370	1507	1643	1780	1917	2054
4000	894	1073	1252	1431	1610	1789	1968	2147	2325	2504	2683
4500	1132	1358	1585	1811	2038	2264	2490	2717	2943	3170	3396
5000	1398	1677	1957	2236	2516	2795	3075	3354	3634	3913	4193
5500	1691	2029	2367	2706	3044	3382	3720	4058	4397	4735	5073
6000	2012	2415	2817	3220	3622	4025	4427	4830	5232	5635	6037
6500	2362	2834	3306	3779	4251	4724	5196	5668	6141	6613	7085
7000	2739	3287	3835	4383	4930	5478	6026	6574	7122	7669	8217
7500	3144	3773	4402	5031	5660	6289	6918	7547	8175	8804	9433
8000	3578	4293	5009	5724	6440	7155	7871	8586	9302	10017	10733
8500	4039	4847	5654	6462	7270	8078	8885	9693	10501	11309	12116
9000	4528	5433	6339	7245	8150	9056	9961	10867	11773	12678	13584
9500	5045	6054	7063	8072	9081	10090	11099	12108	13117	14126	15135
10000	5590	6708	7826	8944	10062	11180	12298	13416	14534	15652	16770
10500	6163	7396	8628	9861	11093	12326	13559	14791	16024	17256	18489
11000	6764	8117	9469	10822	12175	13528	14881	16233	17586	18939	20292
11500	7393	8871	10350	11828	13307	14786	16264	17743	19221	20700	22178
12000	8050	9660	11269	12879	14489	16099	17709	19319	20929	22539	24149
12500	8734	10481	12228	13975	15722	17469	19216	20963	22709	24456	26203
13000	9447	11337	13226	15115	17005	18894	20784	22673	24562	26452	28341
13500	10188	12225	14263	16300	18338	20376	22413	24451	26488	28526	30563
14000	10956	13148	15339	17530	19722	21913	24104	26295	28487	30678	32869

Max G-Force Statement

While we do not technically specify a max g-force rating for our well plates, we typically recommend 4,000g as a standard expectation for the max. Max values are very dependent on customer sample types.

We can also offer the general guidelines below with regard to sample filtration requirements:

Start with the most dilute form of your sample. Use a low rcf (<1000xg) in a first trial for 10 min. If incomplete filtration, increase centrifuge time by estimation to drive to completion and/or increase rcf incrementally to satisfactory filtration rate. The optimal sample concentration, centrifugation time and rcf are variables to employ for your specific sample.