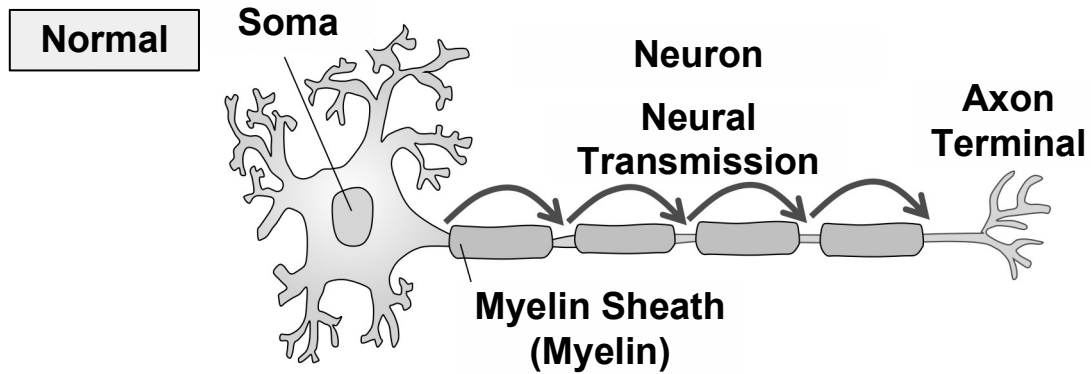
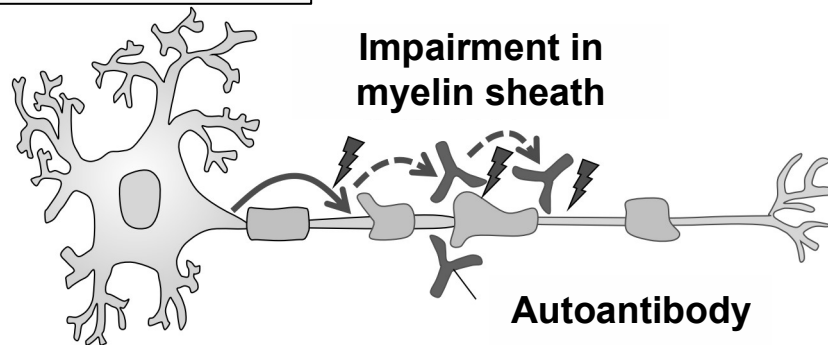


Figure 1

(A)



(B)

Guillain-Barre Syndrome

(C)

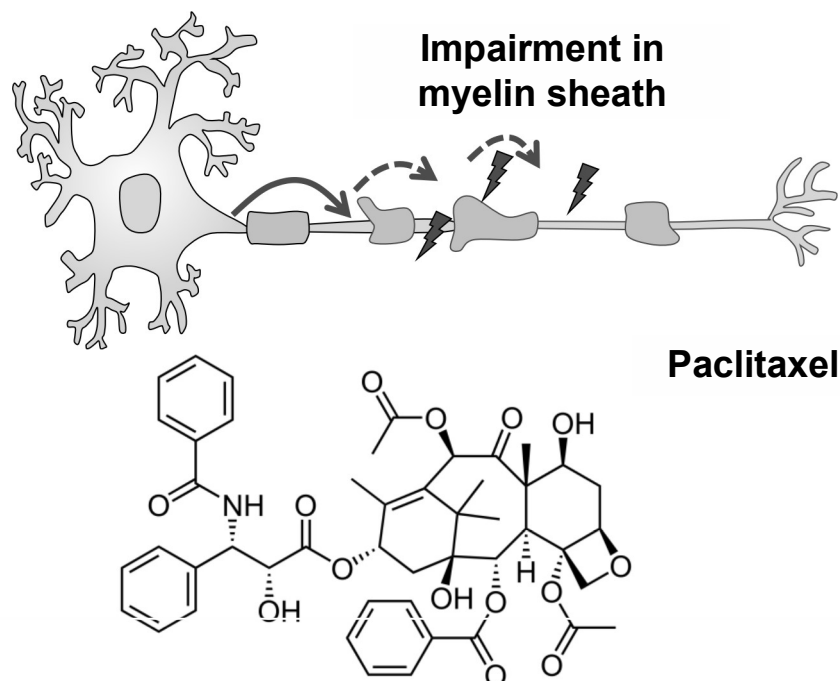
Chemotherapy-induced peripheral Neuropathy (CIPN)

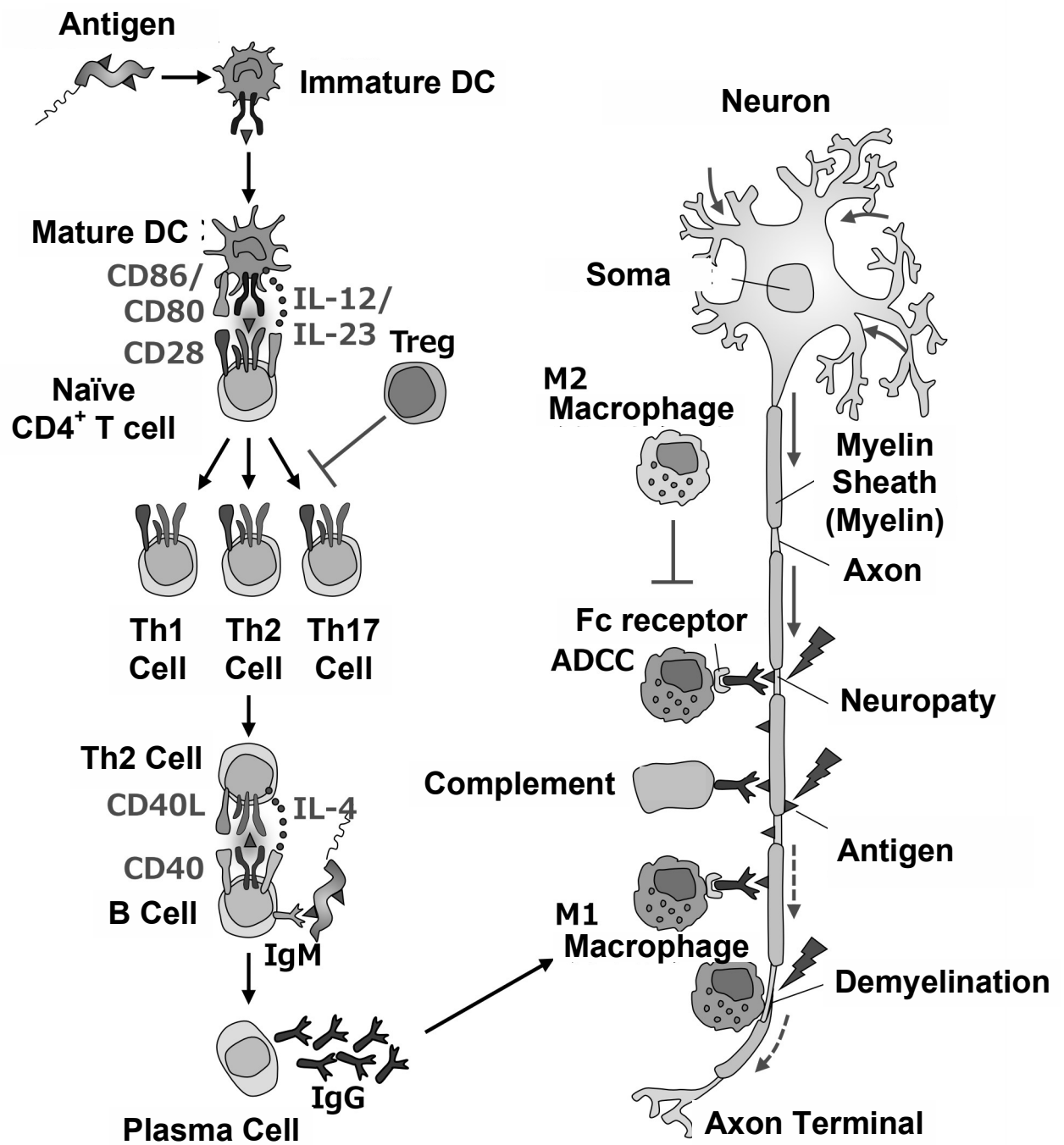
Figure 2

Figure 3

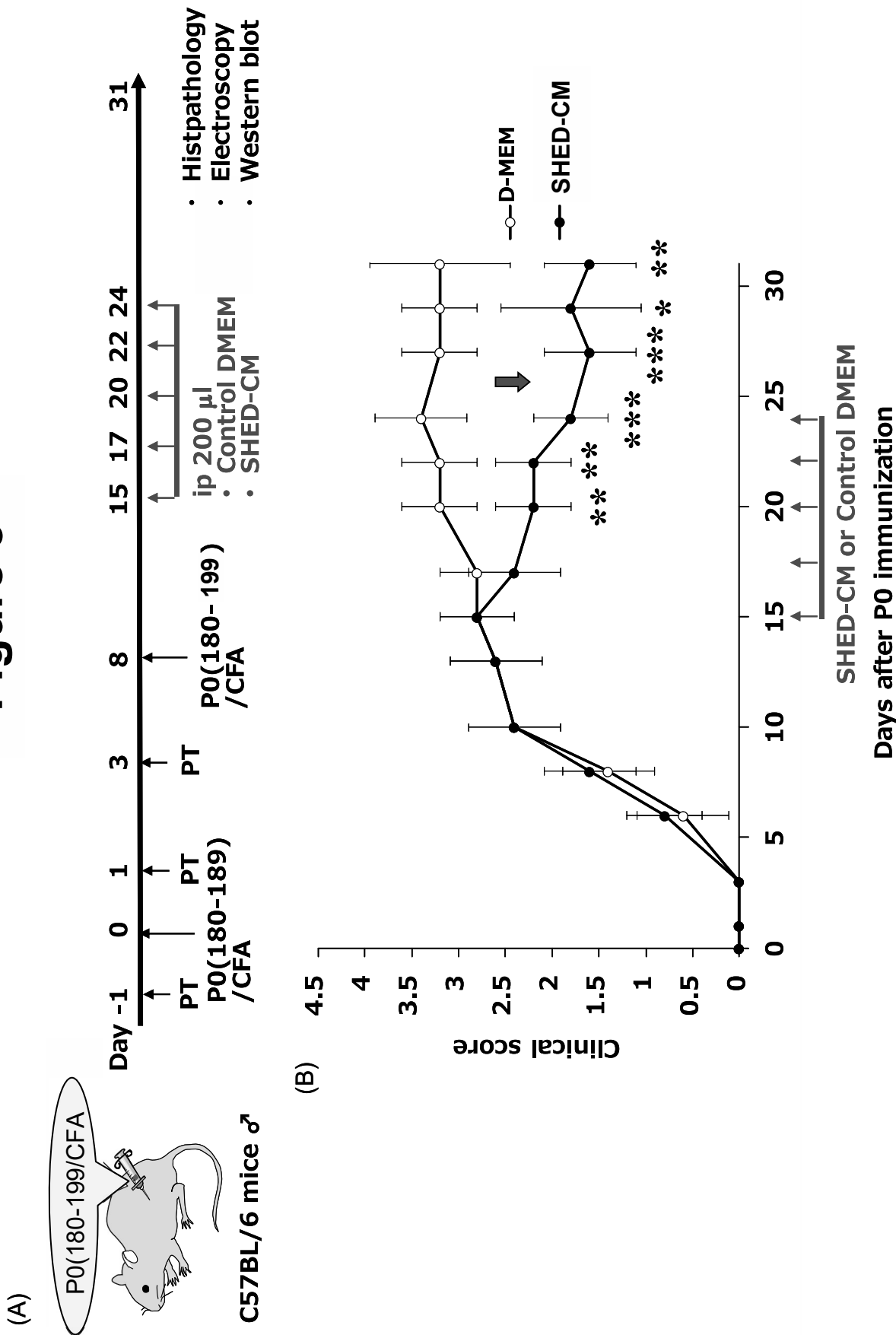


Figure 4

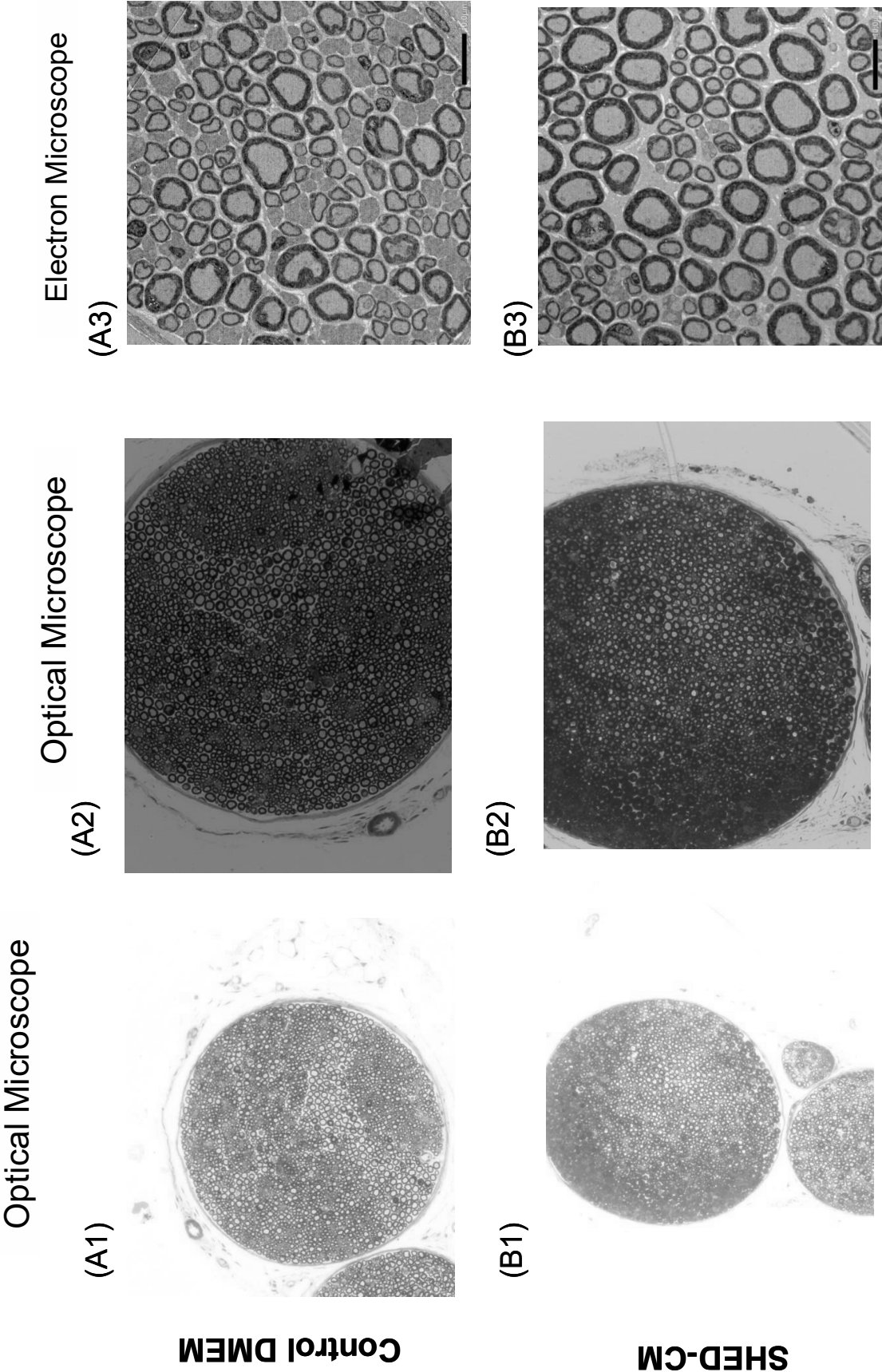


Figure 5

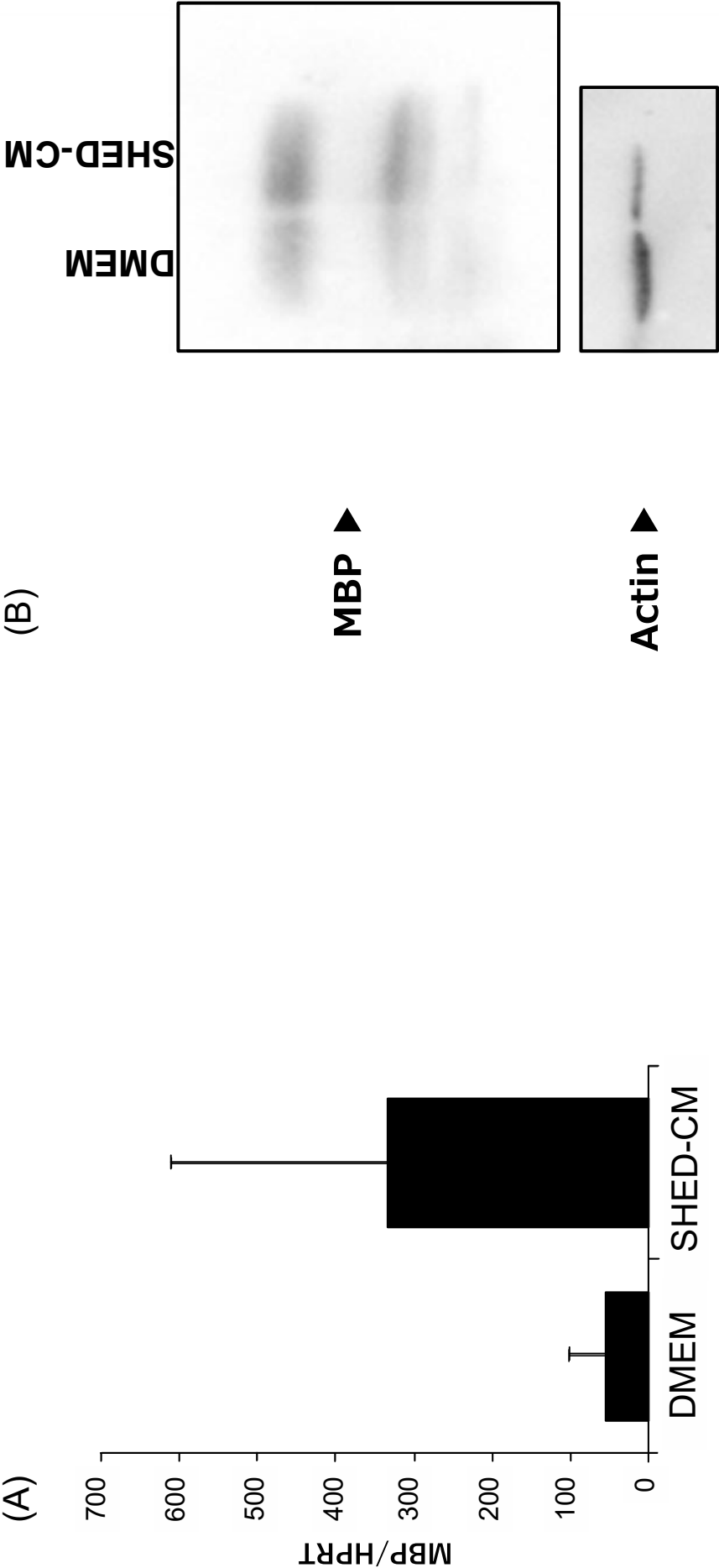


Figure 6

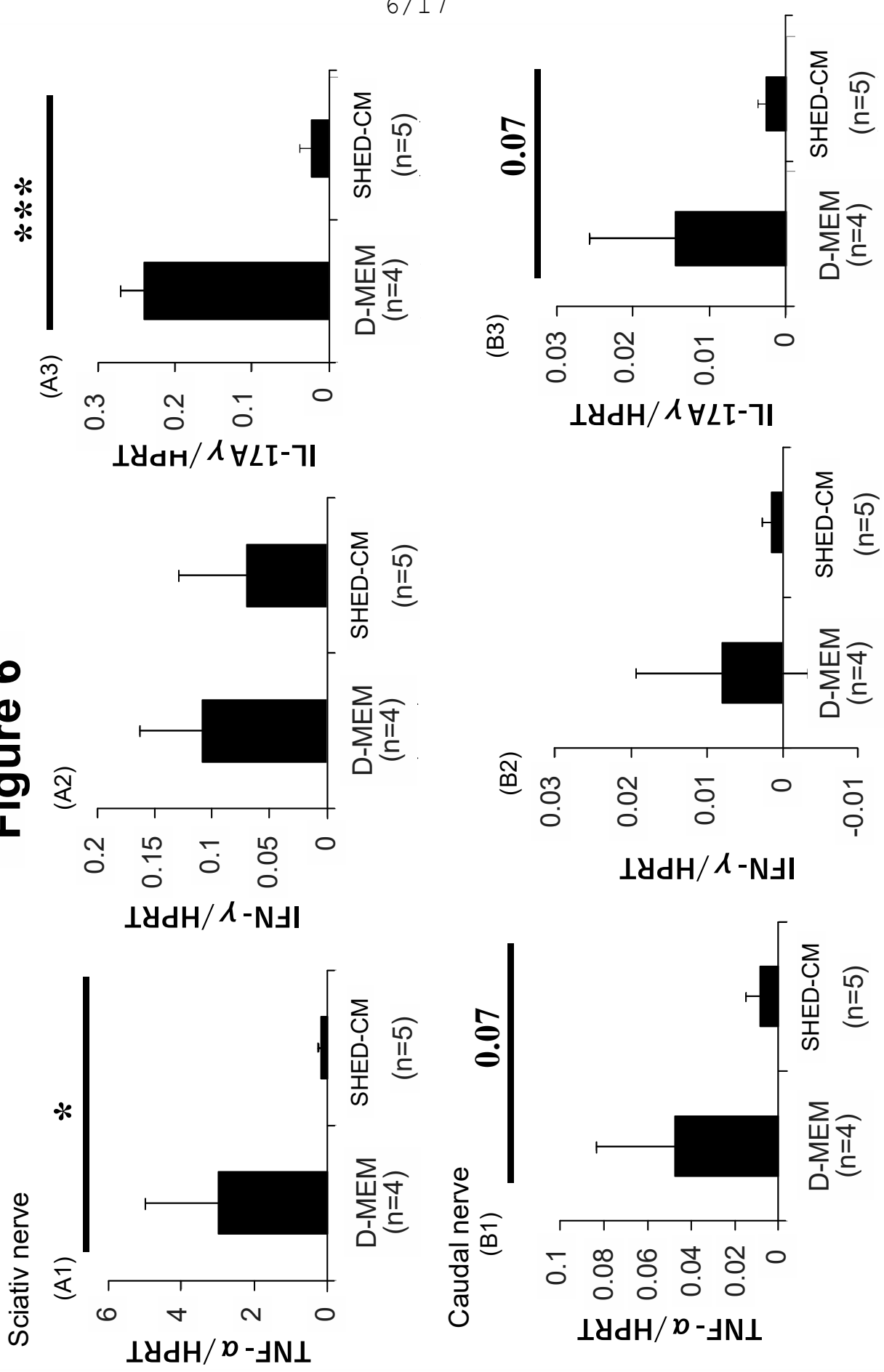


Figure 7

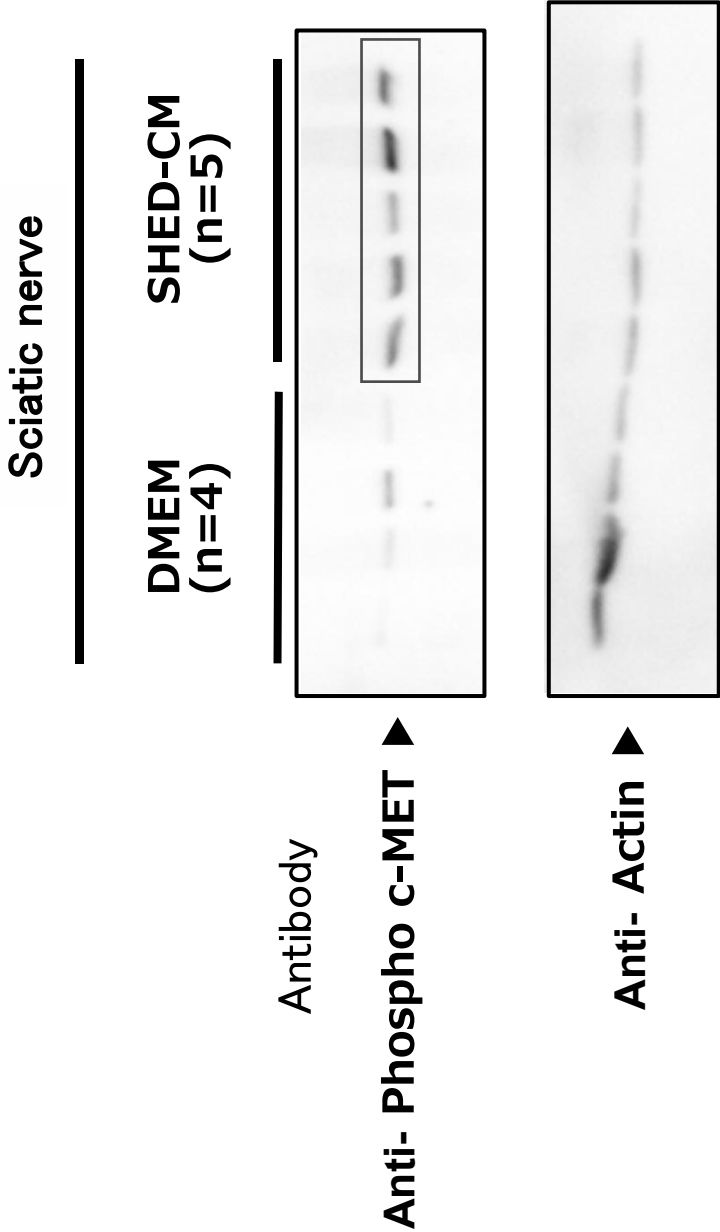


Figure 8

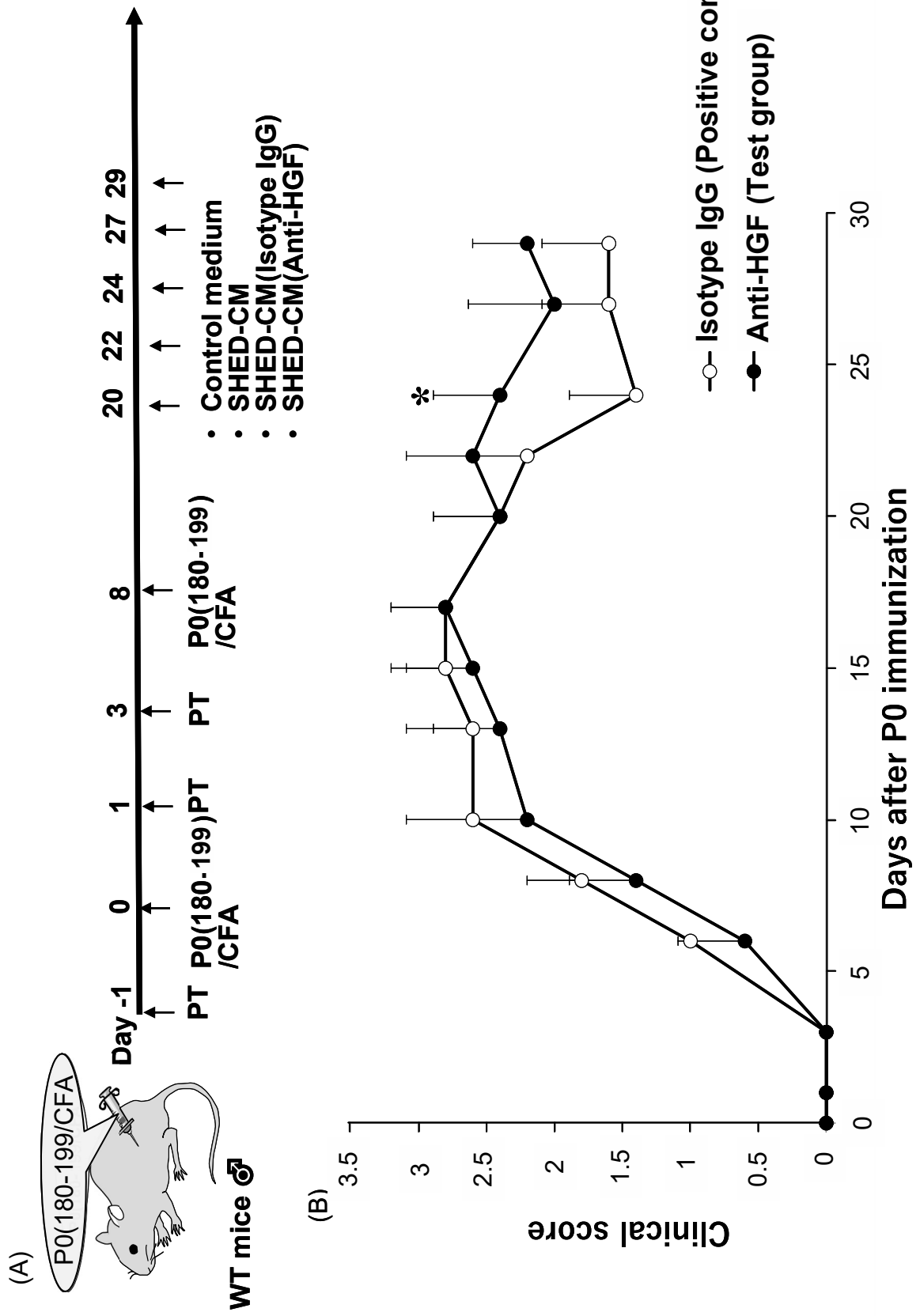
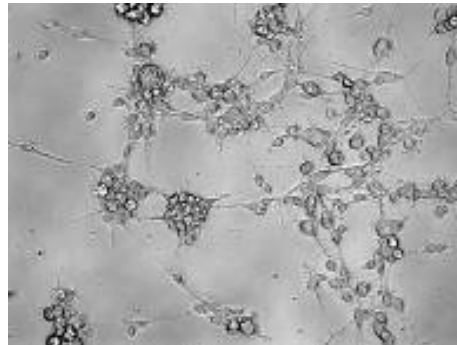
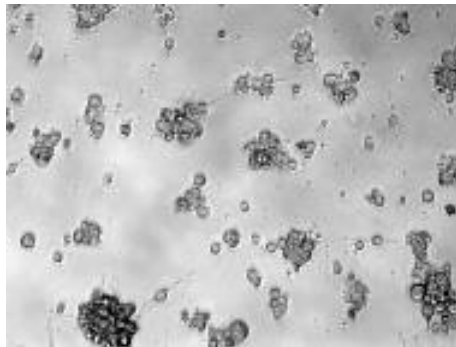


Figure 9

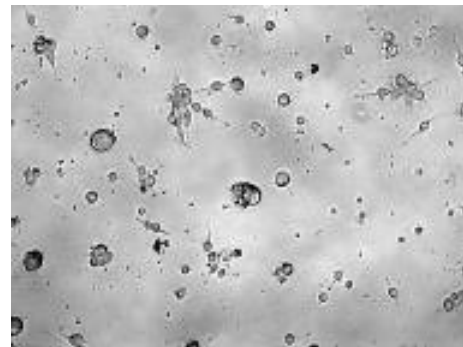
(A) Before experiment
(IMS32 medium)



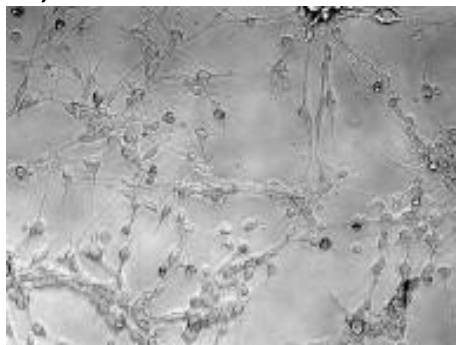
(B1) 10% Control DMEM



(B2) 30% Control DMEM



(C1) 10% SHED-CM



(C2) 30% SHED-CM

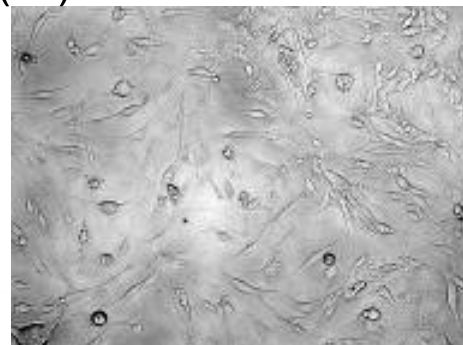


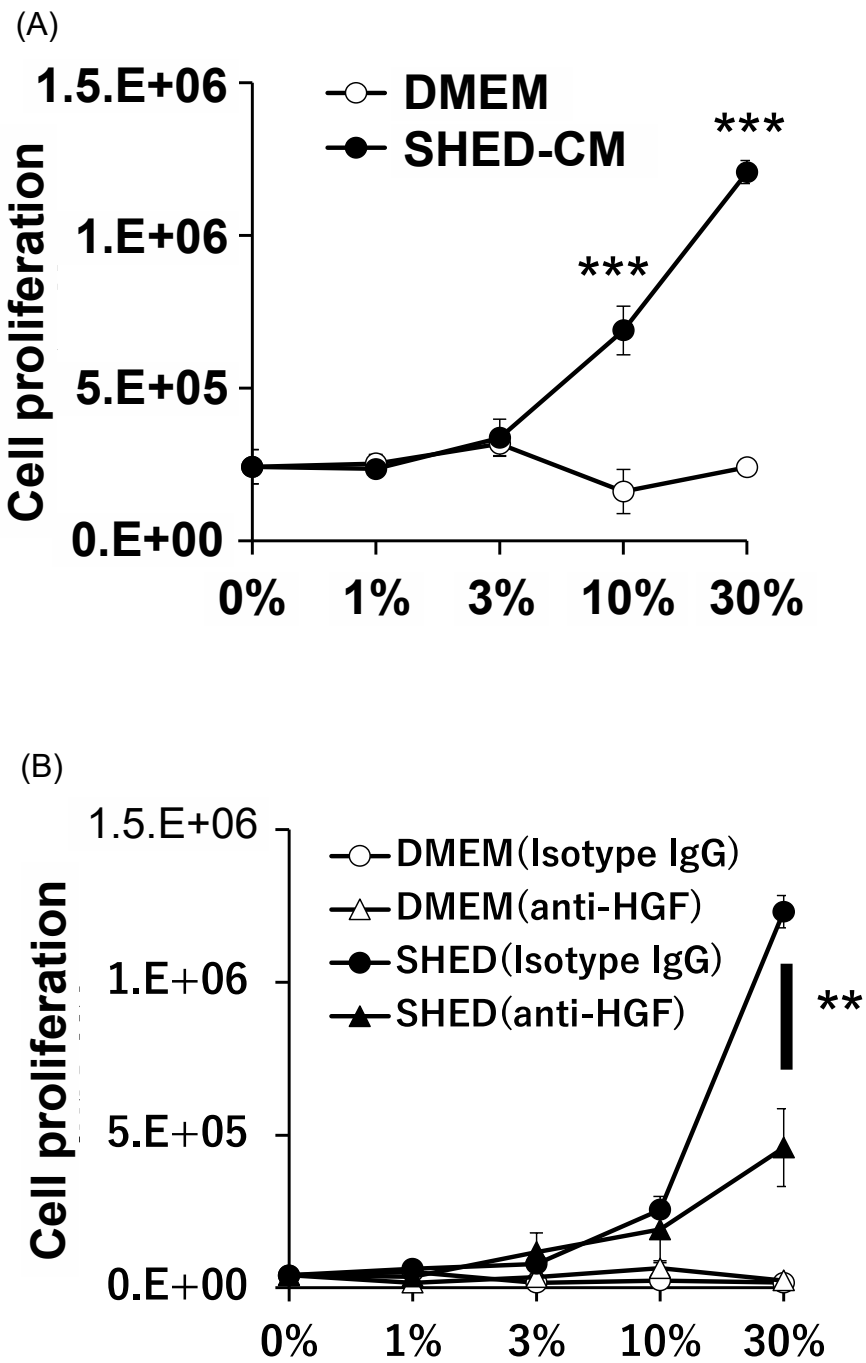
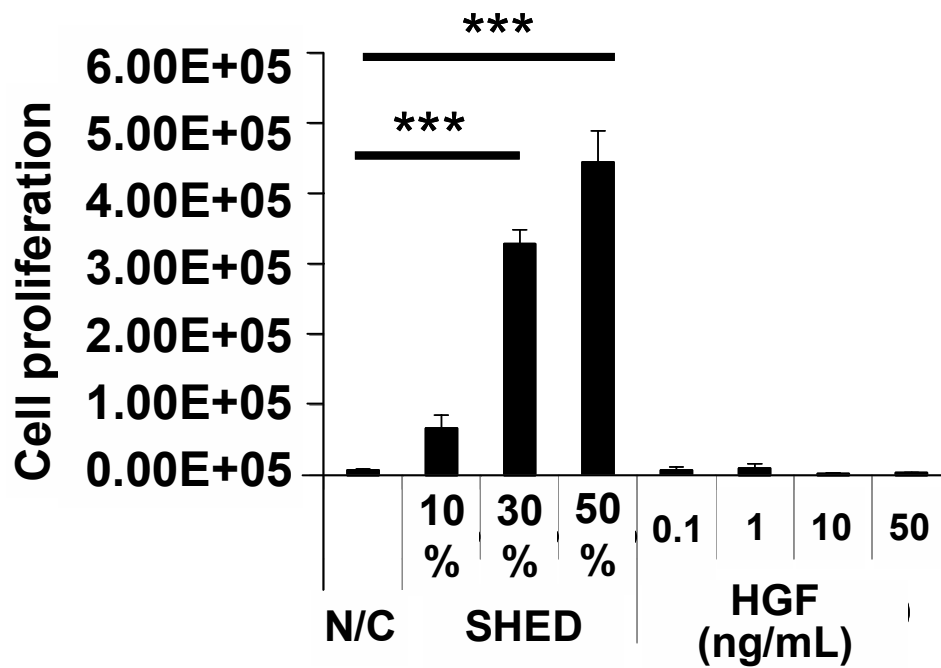
Figure 10

Figure 11

(A)

Without FBS



(B)

With 1% FBS

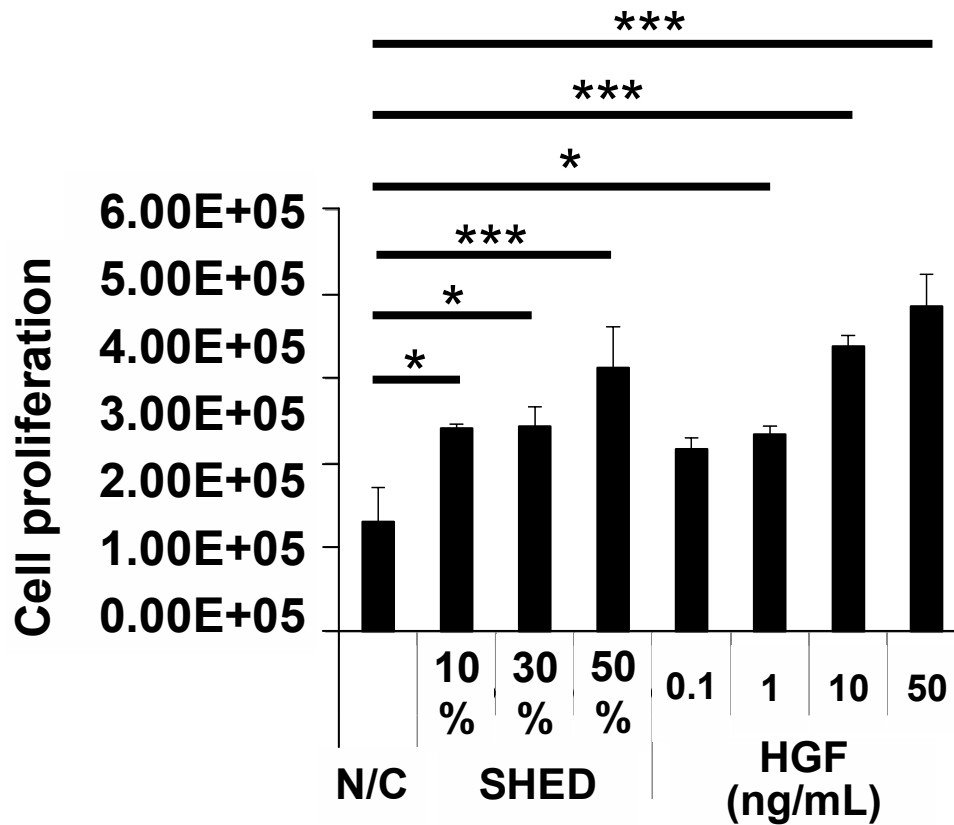


Figure 12

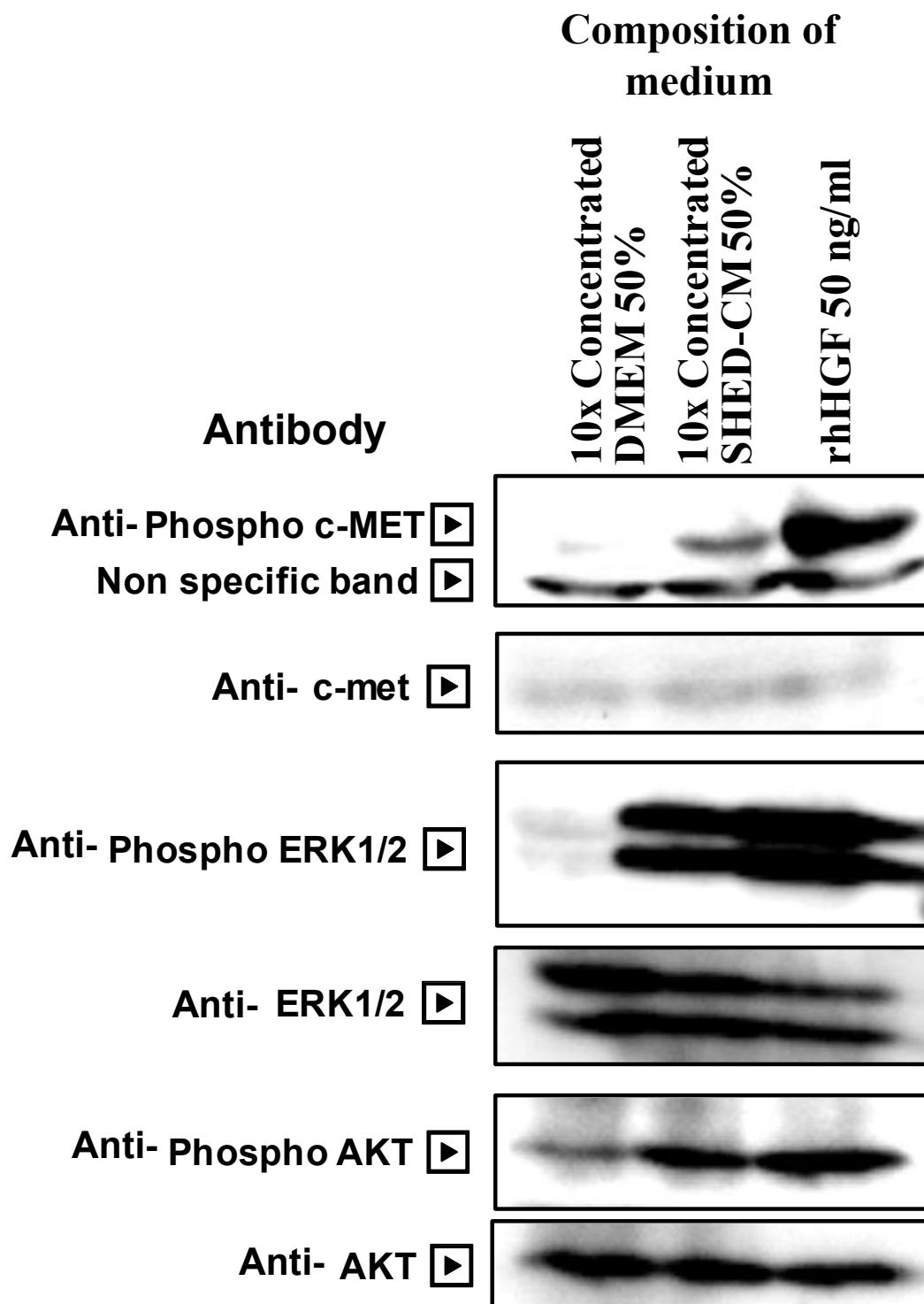


Figure 13

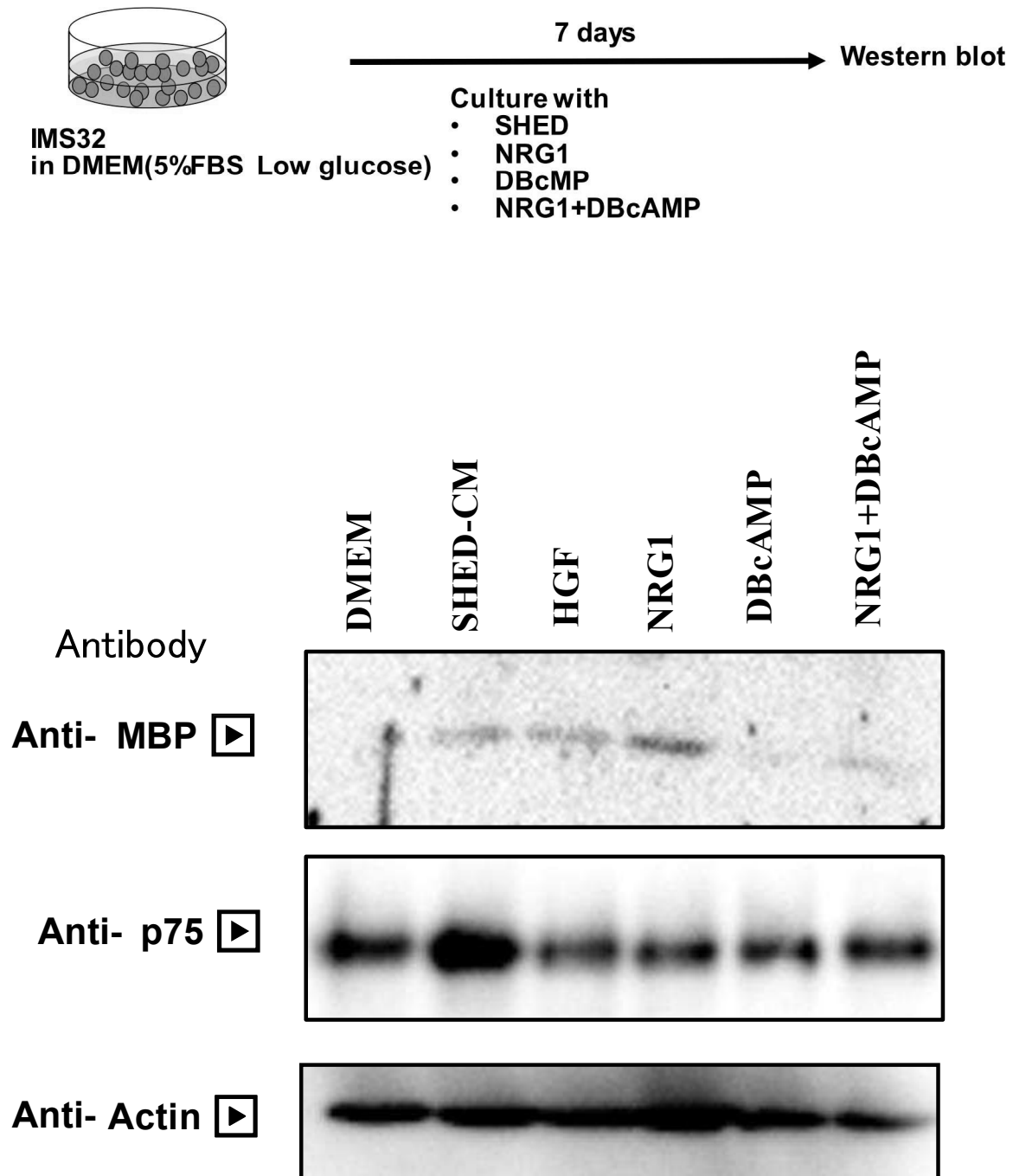


Figure 14

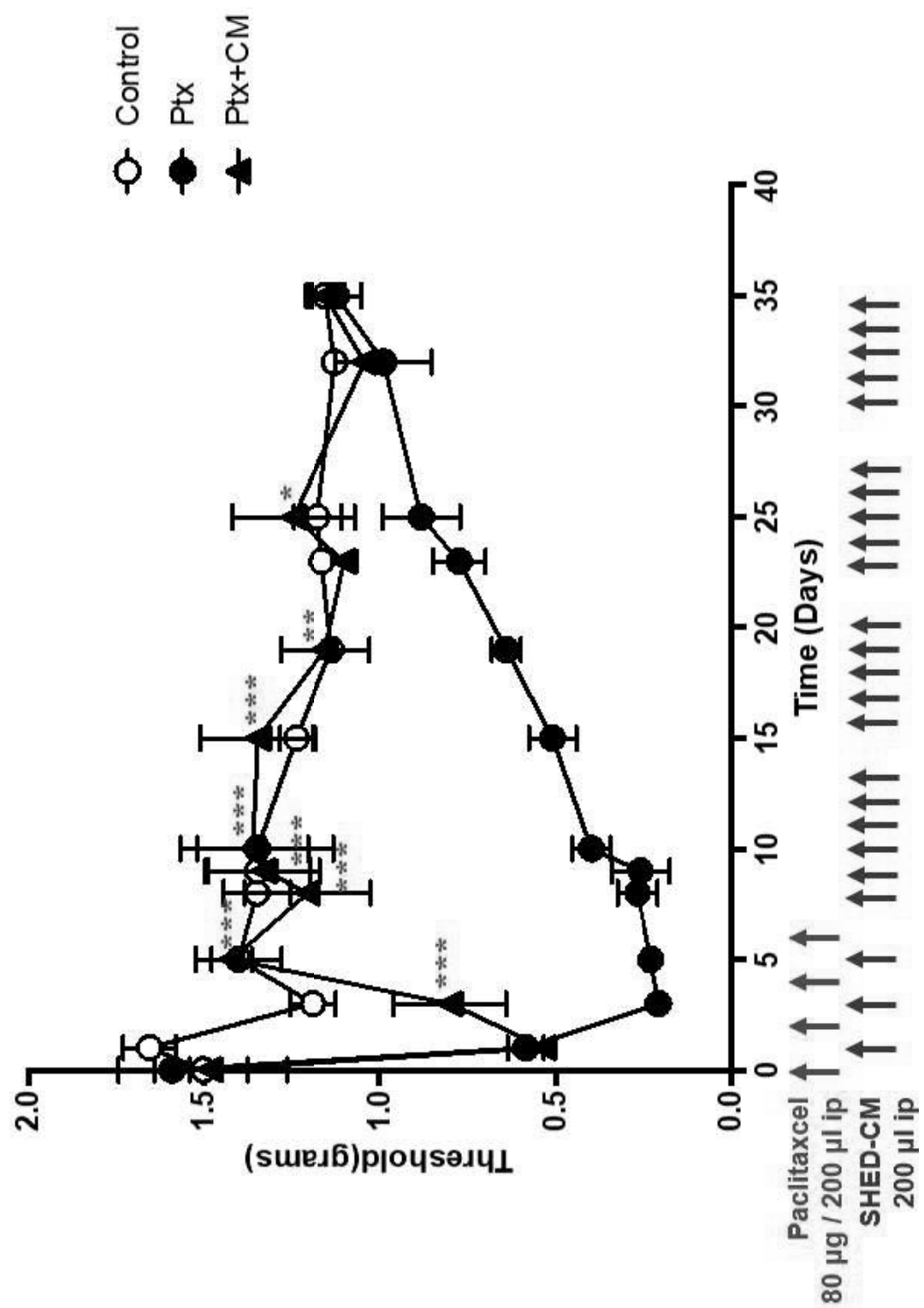


Figure 15

Aesthesio Precision Tactile Sensory Evaluator Data Chart

Color	Evaluator Size	Catalog Item No.	Target Force (grams)	Target Force (milliNewtons)	Theoretical Pressure LBS/Sq.Inch	Theoretical Pressure Grams/Sq.mm
Green	1.65	514001	0.008	0.08	3.59	2.53
	2.36	514002	0.02	0.20	6.23	4.39
	2.44	514003	0.04	0.40	7.01	4.93
	2.83	514004	0.07	0.70	7.85	5.53
Blue	3.22	514005	0.16	1.6	12.5	8.77
	3.61	514006	0.40	3.9	22.9	16.1
Purple	3.84	514007	0.60	5.9	26.1	18.4
	4.08	514008	1.0	9.8	34.6	24.4
	4.17	514009	1.4	13.7	39.6	27.9
	4.31	514010	2.0	19.6	39.0	27.4
Red	4.56	514011	4.0	39.2	57.2	40.3
	4.74	514012	6.0	58.8	74.8	52.6
	4.93	514013	8.0	78.4	87.6	61.7
	5.07	514014	10	98.0	97.0	68.3
	5.18	514015	15	147	117	82.0
	5.46	514016	26	255	151	106
	5.88	514017	60	588	200	141
	6.10	514018	100	980	274	193
	6.45	514019	180	1760	316	222
Orng	6.65	514020	300	2940	416	292

Calculated rounded numbers.
(Conversion factor 9.80665)

Figure 16

Pattern	Value for k	Pattern	Value for k	Pattern	Value for k	Pattern	Value for k
OX	-0.5	OOXOOOO	-0.547	XO	0.5	XXXXXXX	0.547
OOX	-0.388	OOOOXOOOO	-0.547	XXO	0.388	XXXXXOXXX	0.547
OOOX	-0.378	OXOOOX	-1.25	XXXO	0.378	XOXXXO	1.25
OOOOX	-0.377	OOXOOOX	-1.247	XXXXO	0.377	XXOXXXO	1.247
OXO	0.842	OOOXOOOX	-1.246	XOX	-0.842	XXOXOXXXO	1.246
OOXO	0.89	OOOOXOOOX	-1.246	XXOX	-0.89	XXXXXOXXXO	1.246
OOOXO	0.894	OXOOXO	0.372	XXXOX	-0.894	XOXXOX	-0.372
OOOOXO	0.894	OOXOOXO	0.38	XXXXOX	-0.894	XXOXOXX	-0.38
OOX	-0.178	OOOXOOXO	0.381	XOO	0.178	XXXXOXXOX	-0.381
OOXX	0	OOOOXOOXO	0.381	XXOO	0	XXXXXOXXOX	-0.381
OOOXX	0.026	OXOOXX	-0.169	XXXOO	-0.026	XOXXOO	0.169
OOOOXX	0.028	OOXOOXX	-0.144	XXXXXOO	-0.028	XXOXOXXO	0.144
OXOO	0.299	OOOXOOXX	-0.142	XOXX	-0.299	XXXXOXXOO	0.142
OOXOO	0.314	OOOOXOOXX	-0.142	XXOXX	-0.314	XXXXXOXXOO	0.142
OOOXOO	0.315	OXOXXO	0.022	XXXOXX	-0.315	XOXOXX	-0.022
OOOOXOO	0.315	OOXOXOO	0.039	XXXXXOXX	-0.315	XXOXOXX	-0.039
OXOX	-0.5	OOOXOXOO	0.04	XOXO	0.5	XXXXXOXX	-0.04
OOXOX	-0.439	OOOOXOXOO	0.04	XXOXO	0.439	XXXXXOXXOX	-0.04
OOOXOX	-0.432	OXOXOX	-0.5	XXXOXO	0.432	XOXOXO	0.5
OOOOXOX	-0.432	OOXOXOX	-0.458	XXXXXOXO	0.432	XXOXOXO	0.458
OXXO	1	OOOXOXOX	-0.453	XOOX	-1	XXXXXOXOXO	0.453
OOXXO	1.122	OOOOXOXOX	-0.453	XXOXX	-1.122	XXXXXOXOXO	0.453
OOOXO	1.139	OXOXXO	1.169	XXXOXX	-1.139	XOXOXX	-1.169
OOOOXXO	1.14	OOXOXO	1.237	XXXXOXX	-1.14	XXOXOXX	-1.237
OXXX	0.194	OOOXOXO	1.247	XOOO	-0.194	XXXXXOXX	-1.247
OOXXX	0.449	OOOOXOXO	1.248	XXOOO	-0.449	XXXXXOXXOX	-1.248
OOOXXX	0.5	OXOXXX	0.611	XXXOOO	-0.5	XOXOXXO	-0.611
OOOOXXX	0.506	OOXOXXX	0.732	XXXXXOOO	-0.506	XXXXXOXXOX	-0.611
OXOOO	-0.157	OOOXOXXX	0.756	XOXXX	0.157	XXXXXOXXOX	-0.732
OOXOOO	-0.154	OOOOXOXXX	0.758	XXOXXX	0.154	XXXXXOXXOX	-0.756
						XXXXXOXXOX	-0.758

Figure 17

Pattern	Value for k	Pattern	Value for k	Pattern	Value for k	Pattern	Value for k
OOOXXXX	-0.154	OOOXXXX	-0.296	XXXXXX	0.154	XXXXXX	0.296
OOOXXXX	-0.154	OOOXXXX	-0.266	XXXXXXX	0.154	XXXXXXX	0.266
OXOXX	-0.878	OOOXXXX	-0.263	XOXXO	0.878	XXXXXXX	0.263
OXOXX	-0.861	OOOXXXX	-0.263	XXXXXO	0.861	XXXXXXX	0.263
OXOXX	-0.86	OXOXX	-0.831	XXXXXXO	0.86	XOXXO	0.831
OXOXX	-0.86	OXOXX	-0.763	XXXXXXXO	0.86	XXXXXXX	0.763
OXOXX	0.701	OXOXX	-0.753	XOXX	-0.701	XXXXXXX	0.753
OXOXX	0.737	OXOXX	-0.752	XXXXXX	-0.737	XXXXXXX	0.752
OXOXX	0.741	OXOXX	0.831	XXXXXX	-0.741	XXXXXXX	-0.831
OXOXX	0.741	OXOXX	0.935	XXXXXX	-0.741	XXXXXXX	-0.935
OXOXX	0.084	OXOXX	0.952	XXXXXX	-0.084	XXXXXXX	-0.952
OXOXX	0.169	OXOXX	0.954	XXXXXX	-0.169	XXXXXXX	-0.954
OXOXX	0.181	OXOXX	0.296	XXXXXX	-0.181	XXXXXXX	-0.296
OXOXX	0.182	OXOXX	0.463	XXXXXX	-0.182	XXXXXXX	-0.463
OXOXX	0.305	OXOXX	0.5	XXXXXX	-0.305	XXXXXXX	-0.5
OXOXX	0.372	OXOXX	0.504	XXXXXX	-0.372	XXXXXXX	-0.504
OXOXX	0.38	OXOXX	0.5	XXXXXX	-0.38	XXXXXXX	-0.5
OXOXX	0.381	OXOXX	0.648	XXXXXX	-0.381	XXXXXXX	-0.648
OXOXX	-0.305	OXOXX	0.678	XXXXXX	0.305	XXXXXXX	-0.678
OXOXX	-0.169	OXOXX	0.681	XXXXXX	0.169	XXXXXXX	-0.681
OXOXX	-0.144	OXOXX	-0.043	XXXXXX	0.144	XXXXXXX	0.043
OXOXX	-0.142	OXOXX	0.187	XXXXXX	0.142	XXXXXXX	-0.187
OXOXX	1.288	OXOXX	0.244	XXXXXX	-1.288	XXXXXXX	-0.244
OXOXX	1.5	OXOXX	0.252	XXXXXX	-1.5	XXXXXXX	-0.252
OXOXX	1.544	OXOXX	1.603	XXXXXX	-1.544	XXXXXXX	-1.603
OXOXX	1.549	OXOXX	1.917	XXXXXX	-1.549	XXXXXXX	-1.917
OXOXX	0.555	OXOXX	2	XXXXXX	-0.555	XXXXXXX	-2
OXOXX	0.897	OXOXX	2.014	XXXXXX	-0.897	XXXXXXX	-2.014
OXOXX	0.985	OXOXX	0.893	XXXXXX	-0.985	XXXXXXX	-0.983
OXOXX	1	OXOXX	1.329	XXXXXX	-1	XXXXXXX	-1.329
OXOXX	-0.547	OXOXX	1.465	XXXXXX	0.547	XXXXXXX	-1.465
OXOXX	-0.547	OXOXX	1.496	XXXXXX	0.547	XXXXXXX	-1.496