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APPENDIX D

MB Research Laboratories LLNA: BrdU-FC

Historical Data and Supplementary Studies Submitted in August 2008

Appendix D1 LLNA: BrdU-FC Hexyl Cinnamic Aldehyde Historical DataD-3

Appendix D2 LLNA: BrdU-FC Study No. 08-17098.26D-9

Appendix D3 LLNA: BrdU-FC Study No. 08-17150.26D-13

Appendix D4 LLNA: BrdU-FC Study No. 08-17158.26D-17

Appendix D5 LLNA: BrdU-FC Study No. 08-17195.26D-23

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Appendix D1

LLNA: BrdU-FC Hexyl Cinnamic Aldehyde Historical Data

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71 **Appendix D1 MB Research Laboratories LLNA: BrdU-FC Hexyl Cinnamic Aldehyde (HCA) Historical Data**

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Vehicle: Dimethylacetamide: Acetone: Ethanol (DAE 433)

Approx. Date	Exp.	Conc.	#BrdU+ cells					Mean SI	Vehicle	#BrdU+ cells				
02/23/05	DAE1	25%	117760	83391	80372	46056	133028	8.0	DAE 433	17854	694	8547	10557	20171
03/09/05	DAE2	25%	118379	112905	66137	86912	78920	12.5	DAE 433	6070	4806	10336	6349	9540
04/13/05	DAE3	25%	143549	128742	75327	85217	114300	22.1	DAE 433	5921	2154	3028	7598	6046
02/21/07	DAE4	25%	69134	118012	142729	161192	197217	16.9	DAE 433	11958	11653	3193	8609	5434
04/24/07	DAE5	25%	153230	130402	108645	128360	166256	7.6	DAE 433	22439	16334	10622	24796	16524
								Mean = 13.4 S.E.M.= 2.8 n = 5 SD = 6.159143609 CV = 45.9%						

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Vehicle: Acetone

Approx. Date	Exp.	Conc.	#BrdU+ cells					Mean SI	Vehicle	#BrdU+ cells				
08/10/05	ACE1	25%	225451	188773	205942	174627	200441	25.9	Acetone	4692	12419	9429	4832	7066
01/15/06	ACE2	25%	169184	177223	357425	197383	---	16.8	Acetone	19075	2786	26691	9085	9444
								Mean = 21.3 S.E.M.= 4.5 n = 2 SD = 6.433700706 CV = 30.1%						

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Vehicle: Polyethylene Glycol (PEG)

Approx. Date	Exp.	Conc.	#BrdU+ cells					Mean SI	Vehicle	#BrdU+ cells				
11/02/06	PEG1	25%	59655	208656	170848	165583	163403	21.2	PEG 400	3466	2728	12807	7562	9706

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Vehicle: Acetone:Olive Oil (4:1) (AOO)

Approx. Date	Exp.	Conc.	#BrdU+ cells					Mean SI	Vehicle	#BrdU+ cells				
02/23/05	AOO1	25%	50108	123592	76275	41412	33739	27.9	AOO	525	1829	1365	3805	4118
03/09/05	AOO2	25%	117369	148495	121476	136600	32292	6.5	AOO	30626	6815	10509	15880	21565
04/13/05	AOO3	25%	124002	150392	153822	176976	115336	12.8	AOO	5946	5197	9284	21832	14129
11/22/05	AOO4	25%	126189	163255	78671	200969	336779	10.1	AOO	3538	2489	29758	31287	22592
02/28/06	AOO5	25%	68308	85505	76858	31277	124326	9.4	AOO	16256	6124	7154	7450	3954
03/25/06	AOO6	25%	155430	65215	184582	141890	118440	3.9	AOO	32099	45208	39650	20933	---
04/10/06	AOO7	25%	266503	177602	122440	142171	179884	12.0	AOO	16610	21782	17291	12189	6193
04/25/06	AOO8	25%	137384	102485	140431	106428	---	8.7	AOO	15102	26657	7144	1744	19457
05/05/06	AOO9	25%	58859	163682	77451	138717	128234	5.7	AOO	29740	12262	8204	34350	14930
05/17/06	AOO10	25%	365495	254510	321232	332264	161854	16.0	AOO	20826	11739	18860	21130	17324
06/08/06	AOO11	25%	105487	215389	99657	68481	19448	15.3	AOO	2423	11427	14122	1672	3515
07/06/06	AOO12	25%	203918	100676	136413	88222	63197	7.7	AOO	6590	15167	21934	25128	8542
07/31/06	AOO13	25%	36131	103219	147375	96343	91964	10.9	AOO	9243	4981	1904	16774	10845
09/05/06	AOO14	25%	226175	56202	186005	132224	230580	14.1	AOO	14801	11833	13848	7452	11039
01/22/07	AOO15	25%	147252	302179	107616	194550	203769	9.1	AOO	26976	13237	5478	27951	30851
06/14/07	AOO16	25%	99081	89879	21027	74939	55015	6.4	AOO	13306	8842	10701	9743	---
07/05/07	AOO17	25%	79021	59237	133493	61678	122416	5.6	AOO	15241	6786	24130	23802	10941
07/10/07	AOO18	25%	48772	39221	43185	51414	---	7.4	AOO	4501	9760	1807	4159	10796
07/31/07	AOO19	25%	185052	214338	92611	84495	91560	13.9	AOO	11665	4185	5027	16462	10805

Mean = 10.7
 S.E.M.= 1.3
 n = 19
 SD = 5.452191028
 CV = 51.0%

(2001-2007: mean = 9.46, S.E.M = 0.89, n = 45)

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Vehicle: Dimethyl sulfoxide (DMSO)

Approx. Date	Exp.	Conc.	#BrdU+ cells					Mean SI	Vehicle	#BrdU+ cells				
02/23/05	DMSO1	25%	15809	8719	9832	8004	17100	2.7	DMSO	15809	8719	9832	8004	17100
04/13/05	DMSO2	25%	101903	125239	105577	138504	98554	6.5	DMSO	7046	17265	13294	21346	28184
07/01/05	DMSO3	25%	67259	181273	87790	117030	123779	14.2	DMSO	8063	3999	13009	7524	---
07/19/05	DMSO4	25%	70203	104623	99654	120584	77416	11.8	DMSO	8930	5643	7576	10798	7210
01/15/06	DMSO5	25%	112028	82753	178147	110841	---	3.0	DMSO	28566	52544	30805	51118	---
01/15/06	DMSO6	25%	227270	20466	128422	118931	152148	4.6	DMSO	21044	36669	15855	19022	49269
04/18/06	DMSO7	25%	132131	98561	119510	93410	178088	2.7	DMSO	28490	72858	51024	30434	49298
09/28/06	DMSO8	25%	211695	156574	151312	74446	114266	5.7	DMSO	21775	32297	27295	23873	18390
12/12/06	DMSO9	25%	97495	49978	54138	85401	74355	5.2	DMSO	8840	13048	16382	17891	13976
01/12/07	DMSO10	25%	172041	218448	116542	280886	46024	10.9	DMSO	29085	12604	10896	8673	---
01/26/07	DMSO11	25%	53150	77117	85523	53637	81475	5.2	DMSO	15749	21279	6544	10898	12460
02/02/07	DMSO12	25%	103862	93932	89628	188736	101616	4.6	DMSO	24400	31525	27998	8399	32456
03/16/07	DMSO13	25%	140651	96012	158106	197058	106934	7.2	DMSO	16739	18277	12192	32368	17100
04/10/07	DMSO14	25%	139703	198785	125939	172035	199951	4.0	DMSO	35130	39654	65667	37951	28430
02/13/07	DMSO15	25%	129539	106874	146418	127342	237263	5.6	DMSO	41034	19142	25764	14747	31912
02/06/07	DMSO16	25%	216671	307915	139560	340530	163616	4.4	DMSO	47918	38943	66799	34914	74646
03/01/07	DMSO17	25%	110908	176907	113883	53820	120371	5.3	DMSO	14668	35854	28421	14682	15499
03/16/07	DMSO18	25%	140651	96012	158106	197058	106934	7.2	DMSO	16739	18277	12192	32368	17100
04/10/07	DMSO19	25%	139703	198785	125939	172035	199951	4.0	DMSO	35130	39654	65667	37951	28430
05/18/07	DMSO20	25%	92412	65730	116261	101709	105241	4.4	DMSO	18989	7644	30958	23412	28324
05/29/07	DMSO21	25%	154771	136136	180802	111264	129183	4.8	DMSO	32820	27394	38248	29027	19367
07/13/07	DMSO22	25%	323337	265624	197125	205114	136441	10.0	DMSO	11940	36005	18375	19512	27045
07/31/07	DMSO23	25%	165766	208446	218559	162598	159683	15.3	DMSO	8086	12315	21440	5066	12739
07/31/07	DMSO24	25%	260973	282192	307322	91135	161727	9.9	DMSO	20948	17975	19557	15912	37521
08/13/07	DMSO25	25%	95302	72116	137090	218461	166605	5.2	DMSO	18621	44372	15750	22894	31689
09/07/07	DMSO26	25%	138814	125135	120691	234770	164258	9.0	DMSO	21375	19944	13594	20120	12398

Mean = 6.7
 S.E.M.= 0.7
 n = 26
 SD = 3.436304432
 CV = 51.6%

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Vehicle: N,N-Dimethylformamide (DMF)

Approx. Date	Exp.	Conc.	#BrdU+ cells					Mean SI	Vehicle	#BrdU+ cells					
02/23/05	DMF1	25%	48461	19562	100359	47334	13226	8.0	DMF	9263	690	5400	3563	9728	
04/13/05	DMF2	25%	97677	182285	151496	136897	149246	9.0	DMF	15381	15852	21107	9102	18650	
09/10/07	DMF3	25%	77779	225705	225930	194723	124102	14.6	DMF	2745	23103	20979	4757	6453	
09/18/07	DMF4	25%	31201	237936	46442	172271	116864	3.4	DMF	12373	18538	38475	77203	33052	
								Mean = 8.7							
								S.E.M.= 2.3							
								n = 4							
								SD = 4.598956403							
								CV = 52.6%							

Vehicle: Ethanol: Water (EtOH/dH2O) (50%/50%)

Approx. Date	Exp.	Conc.	#BrdU+ cells					Mean SI	Vehicle	#BrdU+ cells					
02/23/05	ETOH1	25%	25689	67158	48171	96889	94252	16.2	EtOH	3381	2644	4230	2175	8051	
04/13/05	ETOH2	25%	145785	141734	83324	191720	109025	20.2	EtOH	6220	12361	1895	6070		
09/15/06	ETOH3	25%	148177	315068	423742	442438	395294	18.3	EtOH	24483	24563	14888	15210	14888	
12/12/06	ETOH4	25%	54416	33223	40326	38914	45742	6.1	EtOH	1877	7936	8160	5878	10751	
								Mean = 15.2							
								S.E.M.= 3.1							
								n = 4							
								SD = 6.293414547							
								CV = 41.4%							

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82 Abbreviations: BrdU = Bromodeoxyuridine; Conc. = Concentration; CV = Coefficient of variance; Exp. = Experiment identification; FC = Flow cytometry; LLNA = Local
 83 lymph node assay; LLNA = Local lymph node assay; n = Number of values used in the calculation; SD = Standard deviation; S.E.M. = Standard error of mean; SI =
 84 Stimulation index.

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Appendix D2

MB Research Laboratories LLNA: BrdU-FC Study No. 08-17098.26

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119 Appendix D2 MB Research Laboratories LLNA: BrdU-FC Study No. 08-17098.26
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08-17098.26 MB Research

Treatment	Animal#	Total # Cells in Node x10 ³	%BrdU+	Lymphocyte Proliferation	SI
AOO	1	1702	0.94	15994	0.5
	2	2670	0.47	12547	0.4
	3	4643	0.77	35749	1.0
	4	4311	0.59	25436	0.7
	5	6174	1.33	82118	2.4
	Mean	3900	0.82	34369	1.0
	StDev	1749	0.34	28176	0.8
5% HCA lot/batch# 04072JE	6	346	20.98	72538	2.1
	7	5283	0.74	39091	1.1
	8	5639	1.13	63724	1.9
	9	8992	0.74	66539	1.9
	10	6808	1.38	93954	2.7
	Mean	5414	4.99	67169	2.0
	StDev	3182	8.94	19666	0.6
10% HCA lot/batch# 04072JE	11	3530	1.27	44831	1.3
	12	6967	1.05	73156	2.1
	13	7057	1.54	108682	3.2
	14	4813	1.07	51502	1.5
	15	5116	1.02	52186	1.5
	Mean	5497	1.19	66071	1.9
	StDev	1506	0.22	26087	0.8
25% HCA lot/batch# 04072JE	16	8328	1.61	134073	3.9
	17	14855	1.73	256987	7.5
	18	9217	1.29	118899	3.5
	19	6490	2.18	141487	4.1
	20	12697	1.65	209492	6.1
	Mean	10317	1.69	172188	5.0 a
	StDev	3394	0.32	58774	1.7
0.025% DNCB lot/batch# 10505DD	21	2954	1.36	40178	1.2
	22	3872	0.67	25942	0.8
	23	6971	0.90	62737	1.8
	24	450	1.87	8410	0.2
	25	1952	0.70	13662	0.4
	Mean	3240	1.10	30186	0.9
	StDev	2442	0.51	21935	0.6
0.05% DNCB lot/batch# 10505DD	26	2285	1.33	30384	0.9
	27	7659	0.96	73529	2.1
	28	10723	2.28	244484	7.1
	29	3644	1.81	65956	1.9
	30	5343	1.04	55570	1.6
	Mean	5931	1.48	93985	2.7
	StDev	3347	0.56	85696	2.5

0.1% DNCB lot/batch# 10505DD	31	4140	0.82	33948	1.0
	32	10752	2.52	270938	7.9
	33	6755	1.70	114827	3.3
	34	10595	2.05	217187	6.3
	35	7509	1.15	86354	2.5
	Mean	7950	1.65	144651	4.2 a
StDev	2783	0.68	97151	2.8	
DMSO (vehicle)	36	4046	0.88	35605	2.0
	37	3061	0.58	17751	1.0
	38	1111	0.78	8666	0.5
	39	2772	0.44	12198	0.7
	40	2968	0.54	16027	0.9
	Mean	2792	0.64	18049	1.0
StDev	1061	0.18	10424	0.6	
25% SDS lot/batch# 046K0085	41	665	1.69	11243	0.6
	42	7899	0.90	71091	3.9
	43	9321	1.03	96006	5.3
	44	5741	1.26	72333	4.0
	45	4253	0.47	19987	1.1
	Mean	5576	1.07	54132	3.0
StDev	3366	0.45	36667	2.0	
25% MBT lot/batch# 11020DE	46	7694	1.58	121557	6.7
	47	10210	1.57	160289	8.9
	48	5323	1.22	64938	3.6
	49	748	0.89	6659	0.5
	50	9050	1.34	121263	6.7
	Mean	6605	1.32	94941	5.3 a
StDev	3745	0.29	59928	3.3	

X = Outlier a = SI ≥ 3
 ND = No Data; animal did not survive

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Appendix D3

MB Research Laboratories LLNA: BrdU-FC Study No. 08-17150.26

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155 Appendix D3 MB Research Laboratories LLNA: BrdU-FC Study No. 08-17150.26
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MBR 08-17150.26

Treatment	Animal#	Total # Cells in Node x10 ³	%BrdU+	Lymphocyte Proliferation	SI
AOO (Vehicle 1)	1	3027	0.76	23003	0.6
	2	5820	0.70	40737	1.1
	3	3117	0.55	17142	0.5
	4	6386	0.97	61944	1.7
	5	3867	1.11	42924	1.2
	Mean	4443	0.82	37150	1.0
	StDev	1563	0.22	17758	0.5
5% HCA	6	2404	0.80	19234	0.5
	7	5046	0.41	20689	0.6
	8	5819	0.58	33752	0.9
	9	7018	0.67	47017	1.3
	10	7085	0.78	55265	1.5
	Mean	5474	0.65	35191	0.9
	StDev	1917	0.16	15889	0.4
10% HCA	11	4373	1.00	43728	1.2
	12	8529	1.09	92962	2.5
	13	9308	1.09	101457	2.7
	14	2459	1.32	32452	0.9
	15	3834	0.79	30287	0.8
	Mean	5700	1.06	60177	1.6
	StDev	3032	0.19	34321	0.9
25% HCA	16	11948	1.69	201921	5.4
	17	11354	1.91	216861	5.8
	18	15249	1.63	248555	6.7
	19	10212	1.59	162375	4.4
	20	7273	1.45	105455	2.8
	Mean	11207	1.65	187033	5.0 a
	StDev	2889	0.17	55135	1.5
0.05% DNCB	21	1899	3.38	64178	1.7
	22	4846	1.30	62992	1.7
	23	10236	2.55	261018	7.0
	24	5662	1.56	88319	2.4
	25	8965	1.72	154189	4.2
	Mean	6321	2.10	126139	3.4 a
	StDev	3335	0.85	84018	2.3
0.1% DNCB	26	7445	2.42	180169	4.8
	27	6145	2.24	137648	3.7
	28	10100	2.17	219165	5.9
	29	3407	2.55	86885	2.3
	30	4604	3.53	162530	4.4
	Mean	6340	2.58	157279	4.2 a
	StDev	2598	0.55	49300	1.3

DMSO (Vehicle 2)	31	5184	0.59	30587	0.8
	32	9141	0.53	48446	1.3
	33	7382	0.66	48718	1.4
	34	4897	0.60	29384	0.8
	35	2377	0.97	23054	0.6
	Mean	5796	0.67	36038	1.0
	StDev	2578	0.17	11804	0.3
25% MBT	36	10640	1.33	141515	3.9
	37	7276	1.61	117144	3.3
	38	7586	1.22	92543	2.6
	39	9444	1.53	144486	4.0
	40	10093	1.41	142308	3.9
	Mean	9008	1.42	127599	3.5 a
	StDev	1504	0.16	22547	0.6
DMF (Vehicle 3)	41	7987	0.78	62301	0.9
	42	2762	0.59	16294	0.2
	43	1804	0.69	12448	0.2
	44	3335	0.72	24008	0.3
	45	12234	1.87	228780	3.3
	Mean	5624	0.93	68766	1.0
	StDev	4396	0.53	91617	1.3
25% MBT	46	6113	1.16	70909	1.0
	47	8182	1.50	122726	1.8
	48	6351	1.02	64783	0.9
	49	2094	1.07	22400	0.3
	50	11420	0.92	105062	1.5
	Mean	6832	1.13	77176	1.1
	StDev	3394	0.22	38877	0.6
DMA (Vehicle 4)	51	3701	0.76	28130	0.6
	52	7703	0.87	67018	1.5
	53	6398	0.83	53103	1.2
	54	4342	0.92	39946	0.9
	55	4615	0.90	41533	0.9
	Mean	5352	0.86	45946	1.0
	StDev	1652	0.06	14732	0.3
25% MBT	56	8884	1.20	106611	2.3
	57	7137	1.39	99208	2.2
	58	3524	0.97	34185	0.7
	59	3382	1.05	35511	0.8
	60	7608	1.97	149868	3.3
	Mean	6107	1.32	85077	1.9
	StDev	2506	0.40	49769	1.1

X = Outlier a = SI ≥ 3
 ND = No Data; animal did not survive

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Appendix D4

MB Research Laboratories LLNA: BrdU-FC Study No. 08-17158.26

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189 Appendix D4 MB Research Laboratories LLNA: BrdU-FC Study No. 08-17158.26
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MBR 08-17158.26

Treatment	Animal#	Total # Cells in Node x10 ³	%BrdU+	Lymphocyte Proliferation	SI
AOO (Vehicle 1)	1	3228	0.84	27117	1.7
	2	4385	0.64	28061	1.8
	3	1495	0.48	7177	0.5
	4	1527	0.95	14509	0.9
	5	267	0.53	1414	0.1
	Mean StDev		2180 1621	0.69 0.20	15656 11846
0.025% DNCB	6	3308	1.62	53582	3.4
	7	3174	0.87	27614	1.8
	8	4285	1.34	57416	3.7
	9	251	13.98	35090	2.2
	10	3031	0.89	26971	1.7
	Mean StDev		2810 1513	3.74 5.73	40134 14448
0.05% DNCB	11	5210	1.82	94819	6.1
	12	2969	2.10	62354	4.0
	13	2502	0.68	17015	1.1
	14	1818	1.50	27270	1.7
	15	924	2.27	20963	1.3
	Mean StDev		2685 1608	1.67 0.63	44484 33380
0.1% DNCB	16	4635	2.48	114944	7.3
	17	4893	1.81	88563	5.7
	18	6219	1.76	109446	7.0
	19	4066	1.92	78067	5.0
	20	6313	2.13	134467	8.6
	Mean StDev		5225 997	2.02 0.29	105097 22262
5% HCA	21	1434	0.72	10321	0.7
	22	2103	0.59	12405	0.8
	23	5175	1.21	62621	4.0
	24	2918	1.08	31512	2.0
	25	908	0.81	7353	0.5
	Mean StDev		2507 1670	0.88 0.26	24842 23147
10% HCA	26	1353	1.02	13796	0.9
	27	3082	0.86	26505	1.7
	28	2892	0.75	21692	1.4
	29	1283	0.76	9747	0.6
	30	1717	0.73	12530	0.8
	Mean StDev		2065 860	0.82 0.12	16854 6984

25% HCA	31	7852	1.24	97359	6.2
	32	12647	1.72	217528	13.9
	33	11764	1.71	201164	12.8
	34	8966	1.80	161388	10.3
	35	12993	2.00	259865	16.6
	Mean	10844	1.69	187461	12.0 a
StDev	2302	0.28	61507	3.9	
DMF(Vehicle 2)	36	804	0.44	3535	0.2
	37	5252	0.73	38336	2.1
	38	4903	0.65	31868	1.7
	39	403	1.26	5078	0.3
	40	1913	0.65	12435	0.8
	Mean	2655	0.75	18250	1.0
StDev	2283	0.31	15912	0.9	
2.5% MBT	41	3219	0.60	19316	1.1
	42	2824	0.59	16660	0.9
	43	2867	0.56	16055	0.9
	44	104	6.98	7242	0.4
	45	2672	0.54	14429	0.8
	Mean	2337	1.85	14740	0.8
StDev	1264	2.87	4546	0.2	
5% MBT	46	2204	0.73	16087	0.9
	47	2240	0.94	21054	1.2
	48	3679	0.48	17660	1.0
	49	1374	1.18	16210	0.9
	50	2012	0.59	11871	0.7
	Mean	2302	0.78	16576	0.9
StDev	845	0.28	3307	0.2	
10% MBT	51	3674	0.85	31228	1.7
	52	1737	0.64	11117	0.6
	53	3027	0.80	24216	1.3
	54	3617	1.32	47748	2.6
	55	5021	1.07	53727	2.9
	Mean	3415	0.94	33607	1.8
StDev	1189	0.26	17353	1.0	
25% MBT	56	6857	1.52	104230	5.7
	57	5298	1.30	68874	3.8
	58	3823	1.31	50081	2.7
	59	538	2.53	13618	0.7
	60	4456	1.43	63721	3.5
	Mean	4195	1.62	60105	3.3 a
StDev	2339	0.52	32782	1.8	
DMSO (Vehicle 3)	61	1739	0.46	7998	0.5
	62	3634	0.43	15626	1.1
	63	2299	0.56	12872	0.9
	64	1560	1.47	22925	1.5
	Mean	2308	0.73	14855	1.0

	StDev	939	0.50	6236	0.4
25% SLS	65	ND	ND	ND	ND
	66	3810	2.24	85344	5.7
	67	4003	1.39	55638	3.7
	68	ND	ND	ND	ND
	Mean	3906	1.82	70491	4.7 a
	StDev	136	0.60	21005	1.4

X = Outlier a = SI ≥ 3
 ND = No Data; animal did not survive

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Appendix D5

MB Research Laboratories LLNA: BrdU-FC Study No. 08-17195.26

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Treatment	Animal#	Total # Cells in Node x10 ³	%BrdU+	Lymphocyte Proliferation	SI
AOO (Vehicle 1)	1	2112	0.71	14993	0.9
	2	4799	0.37	17754	1.1
	3	2242	0.51	11432	0.7
	4	4810	0.53	25492	1.6
	5	749	1.26	9441	0.6
	Mean StDev		2942 1797	0.68 0.35	15822 6283
5% HCA	6	5491	0.59	32394	2.0
	7	6313	0.91	57444	3.6
	8	2599	0.83	21570	1.4
	9	675	2.41	16255	1.0
	10	3018	0.94	28372	1.8
	Mean StDev		3619 2282	1.14 0.73	31207 15924
10% HCA	11	7334	0.99	72604	4.6
	12	6449	0.69	44498	2.8
	13	3096	0.83	25693	1.6
	14	6409	1.15	73701	4.7
	15	2051	2.96	60710	3.8
	Mean StDev		5068 2336	1.32 0.93	55441 20374
25% HCA	16	8679	1.46	126717	8.0
	17	10482	1.23	128932	8.1
	18	18066	1.18	213173	13.5
	19	7424	1.33	98736	6.2
	20	11618	1.74	202153	12.8
	Mean StDev		11254 4136	1.39 0.22	153942 50614
0.025% DNCB	21	5456	0.84	45826	2.9
	22	6522	0.75	48917	3.1
	23	6367	1.21	77041	4.9
	24	2272	1.23	27946	1.8
	25	226	1.57	3548	0.2
	Mean StDev		4169 2792	1.12 0.33	40656 27191
0.05% DNCB	26	7532	1.50	112976	7.1
	27	7425	1.34	99495	6.3
	28	6132	1.29	79106	5.0
	29	8813	0.86	75788	4.8
	30	641	1.95	12504	0.8
	Mean StDev		6109 3200	1.39 0.39	75974 38603

0.1% DNCB	31	8476	1.82	154268	9.7
	32	2122	2.49	52825	3.3
	33	9311	1.84	171327	10.8
	34	9196	2.28	209657	13.3
	35	1697	2.74	46498	2.9
	Mean	6160	2.23	126915	8.0 a
StDev	3897	0.40	73354	4.6	
DMSO(Vehicle 2)					
5% MBT	36	794	1.10	8731	0.6
	37	2435	0.71	17287	1.1
	38	3416	0.69	23569	1.6
	39	567	1.53	8667	0.6
	40	3594	0.48	17250	1.1
	Mean	2161	0.90	15101	1.0
StDev	1424	0.42	6385	0.4	
10% MBT	41	7469	0.91	67970	4.5
	42	4815	1.33	64043	4.2
	43	7762	0.95	73741	4.9
	44	2299	0.78	17932	1.2
	45	2923	1.51	44134	2.9
	Mean	5054	1.10	53564	3.5 a
StDev	2518	0.31	22820	1.5	
25% MBT	46	11088	1.31	145253	9.6
	47	6690	1.29	86301	5.7
	48	9184	1.45	133168	8.8
	49	6881	0.95	65365	4.3
	50	4024	1.43	57547	3.8
	Mean	7573	1.29	97527	6.5 a
StDev	2683	0.20	39708	2.6	
DaAE 433 Vehicle 3					
5% MBT	51	9343	1.27	118660	7.9
	52	11058	1.24	137119	9.1
	53	4847	1.00	48468	3.2
	54	2353	1.00	23533	1.6
	55	13702	2.04	279516	18.5
	Mean	8261	1.31	121459	8.0 a
StDev	4614	0.43	100190	6.6	
5% MBT	56	2479	0.78	19332	0.8
	57	4315	0.52	22435	1.0
	58	2354	0.48	11297	0.5
	59	2990	0.56	16745	0.7
	60	2580	1.76	45404	2.0
	Mean	2943	0.82	23043	1.0
StDev	803	0.54	13151	0.6	
5% MBT	61	7187	0.58	41682	1.8
	62	4595	0.39	17919	0.8
	63	947	0.82	7767	0.3
	64	3023	0.49	14813	0.6
	65	1552	1.38	21411	0.9

	Mean	3461	0.73	20718	0.9
	StDev	2516	0.40	12751	0.6
10% MBT	66	4122	0.37	15252	0.7
	67	4657	0.57	26542	1.2
	68	6459	0.49	31650	1.4
	69	5619	0.73	41021	1.8
	70	6794	0.59	40083	1.7
	Mean	5530	0.55	30910	1.3
	StDev	1142	0.13	10620	0.5
25% MBT	71	4419	0.96	42425	1.8
	72	4558	0.66	30080	1.3
	73	1402	0.74	10371	0.5
	74	4822	0.93	44847	1.9
	75	462	2.54	11735	0.5
	Mean	3133	1.17	27891	1.2
	StDev	2041	0.78	16367	0.7

X = Outlier a = SI ≥ 3
 ND = No Data; animal did not survive