

Cellular Immunology Lymphoid Immunophenotyping: October 2011 PT Event
Percentage Values

CD3/CD4	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean %	45	56	40	33	28
± 2SD (%CV)	2 (3)	3 (3)	3 (3)	2 (4)	3 (5)

CD3/CD8	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean %	32	24	13	47	33
± 2SD (%CV)	3 (5)	3 (6)	2 (8)	3 (3)	3 (5)

CD3	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean %	78	77	53	81	62
± 2SD (%CV)	2 (1)	2 (1)	3 (3)	3 (2)	5 (4)

CD19	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean %	10	19	10	13	26
± 2SD (%CV)	2 (9)	2 (5)	2 (9)	2 (10)	3 (5)

CD3⁺/CD56⁺ +CD16	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean %	11	4	35	5	10
± 2SD (%CV)	2 (10)	1 (16)	4 (6)	2 (20)	3 (15)

CD3⁺/CD56	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean %	8	3	31	3	6
± 2SD (%CV)	3 (15)	1 (23)	7 (11)	0 (0)	2 (14)

Cellular Immunology Lymphoid Immunophenotyping: October 2011 PT Event
Absolute Values - Dual Platform

CD3/CD4	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean #/μL	881	1169	392	677	677
± 2SD (%CV)	159 (8)	216 (8)	105 (12)	105 (7)	127 (8)

CD3/CD8	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean #/μL	620	485	131	956	817
± 2SD (%CV)	100 (7)	105 (10)	47 (16)	163 (8)	147 (8)

CD3	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean #/μL	1524	1599	524	1669	1540
± 2SD (%CV)	251 (7)	271 (8)	140 (12)	238 (6)	272 (8)

CD19	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean #/μL	203	393	106	259	637
± 2SD (%CV)	53 (12)	94 (11)	33 (14)	62 (11)	138 (10)

CD3/CD56+16	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean #/μL	206	82	351	97	245
± 2SD (%CV)	55 (12)	44 (24)	125 (16)	28 (13)	103 (19)

CD3/CD56	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean #/μL	NA	NA	NA	NA	NA
± 2SD (%CV)					

WBC	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean #/μL	4000	6400	7400	7200	7000
± 2SD (%CV)	300	500	600	900	700

%Lymphocyte	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean #/μL	48.2	32.3	14.1	28.4	35.0
± 2SD (%CV)	6.1	3.7	7.0	6.1	7.2

Cellular Immunology Lymphoid Immunophenotyping: October 2011 PT Event
Absolute Values – Single Platform

CD3/CD4	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean #/μL	841	1265	450	702	676
± 2SD (%CV)	152 (8)	208 (7)	88 (9)	139 (9)	118 (8)

CD3/CD8	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean #/μL	604	543	148	985	815
± 2SD (%CV)	109 (8)	116 (10)	39 (12)	140 (6)	119 (6)

CD3	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean #/μL	1456	1742	588	1715	1524
± 2SD (%CV)	235 (7)	279 (7)	108 (8)	277 (7)	215 (6)

CD19	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean #/μL	176	424	114	270	637
± 2SD (%CV)	34 (9)	72 (8)	30 (12)	66 (11)	121 (8)

CD3⁺/CD56⁺ +CD16	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean #/μL	203	92	398	116	266
± 2SD (%CV)	62 (14)	30 (14)	96 (11)	44 (17)	90 (15)

CD3⁺/CD56⁺	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean #/μL	NA	NA	NA	NA	NA
± 2SD (%CV)	`				

Cellular Immunology Lymphoid Immunophenotyping: October 2011 PT Event
Additional Lymphoid Subsets

CD3⁺ CD4⁺ CD8⁻	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean % ± 2SD	44 ± 3	52 ± 4	38 ± 5	32 ± 2	26 ± 3
± 2SD (%CV)	826 ± 155	1127 ± 256	395 ± 122	6683 ± 159	637 ± 137

CD3⁺ CD4⁺ CD8⁺	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean % ± 2SD	2 ± 2	4 ± 4	2 ± 3	1 ± 1	1 ± 2
± 2SD (%CV)	33 ± 47	93 ± 61	13 ± 20	25 ± 21	31 ± 33

CD3⁺ CD4⁻ CD8⁻	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean % ± 2SD	3 ± 2	1 ± 1	1 ± 2	3 ± 1	3 ± 2
± 2SD (%CV)	59 ± 29	25 ± 14	15 ± 35	65 ± 25	67 ± 41

CD3⁺ CD4⁻ CD8⁺	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean % ± 2SD	30 ± 3	19 ± 4	12 ± 2	45 ± 3	32 ± 4
± 2SD (%CV)	567 ± 103	445 ± 247	121 ± 33	922 ± 208	765 ± 165

CD3⁻ CD19⁺	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean % ± 2SD	10 ± 2	19 ± 3	10 ± 2	13 ± 2	26 ± 3
± 2SD (%CV)	188 ± 51	406 ± 89	106 ± 35	254 ± 62	619 ± 144

CD3⁻ (CD56⁺±CD16⁺)	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean % ± 2SD	10 ± 2	4 ± 2	35 ± 4	5 ± 2	10 ± 4
± 2SD (%CV)	194 ± 49	83 ± 33	358 ± 88	96 ± 33	236 ± 84

CD3⁺(CD56⁺±CD16⁺)	Specimen LYIM 2011-11	Specimen LYIM 2011-12	Specimen LYIM 2011-13	Specimen LYIM 2011-14	Specimen LYIM 2011-15
Mean % ± 2SD	8 ± 6	9 ± 5	4 ± 3	12 ± 8	4 ± 4
± 2SD (%CV)	162 ± 129	195 ± 124	44 ± 36	248 ± 160	90 ± 98