

***Centers for Disease Control and Prevention
Model Performance Evaluation Program
T-Lymphocyte Immunophenotyping (TLI)***

***Figures and Table Used for the Analysis
of Participant Laboratory Results
for the April 1997 Shipment***

***U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
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***Use of trade names is for identification only and does not constitute endorsement by the
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Figures and Table Used for the Analysis of the April 1997 Specimen Shipment

Results Submitted by Laboratories Participating in the Model Performance
Evaluation Program for T-Lymphocyte Immunophenotyping

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**Centers for Disease Control and Prevention (CDC) - Model Performance Evaluation Program
for T-Lymphocyte Immunophenotyping (TLI)
Donor Specimen Identification for April 15, 1997 TLI Shipment Specimens**

Panel Letter	Participant Lab Vial Label	CDC Donor Number	Donor Information (HIV-1^a status)
A	A1, A5	01	HIV-1 Antibody-Positive
	A2	07	HIV-1 Antibody-Positive
	A3	10	HIV-1 Antibody-Negative
	A4	11	HIV-1 Antibody-Negative
B	B1	08	HIV-1 Antibody-Positive
	B2	11	HIV-1 Antibody-Negative
	B3, B4	02	HIV-1 Antibody-Positive
	B5	12	HIV-1 Antibody-Negative
C	C1, C2	03	HIV-1 Antibody-Positive
	C3	12	HIV-1 Antibody-Negative
	C4	10	HIV-1 Antibody-Negative
	C5	09	HIV-1 Antibody-Positive
D	D1	10	HIV-1 Antibody-Negative
	D2, D4	04	HIV-1 Antibody-Positive
	D3	07	HIV-1 Antibody-Positive
	D5	11	HIV-1 Antibody-Negative
E	E1	11	HIV-1 Antibody-Negative
	E2	12	HIV-1 Antibody-Negative
	E3	08	HIV-1 Antibody-Positive
	E4, E5	05	HIV-1 Antibody-Positive
F	F1	12	HIV-1 Antibody-Negative
	F2, F3	06	HIV-1 Antibody-Positive
	F4	09	HIV-1 Antibody-Positive
	F5	10	HIV-1 Antibody-Negative

^aHuman immunodeficiency virus type 1

**Centers for Disease Control and Prevention (CDC) - Model Performance Evaluation Program
for T-Lymphocyte Immunophenotyping (TLI)
Donor Specimen Identification for April 22, 1997 TLI Shipment Specimens**

Panel Letter	Participant Lab Vial Label	CDC Donor Number	Donor Information (HIV-1^a status)
G	G1	22	HIV-1 Antibody-Negative
	G2, G4	13	HIV-1 Antibody-Positive
	G3	23	HIV-1 Antibody-Negative
	G5	19	HIV-1 Antibody-Positive
H	H1	20	HIV-1 Antibody-Positive
	H2	24	HIV-1 Antibody-Negative
	H3, H5	14	HIV-1 Antibody-Positive
	H4	23	HIV-1 Antibody-Negative
I	I1, I4	15	HIV-1 Antibody-Positive
	I2	22	HIV-1 Antibody-Negative
	I3	21	HIV-1 Antibody-Positive
	I5	24	HIV-1 Antibody-Negative
J	J1	19	HIV-1 Antibody-Positive
	J2	23	HIV-1 Antibody-Negative
	J3, J5	16	HIV-1 Antibody-Positive
	J4	22	HIV-1 Antibody-Negative
K	K1, K5	17	HIV-1 Antibody-Positive
	K2	20	HIV-1 Antibody-Positive
	K3	24	HIV-1 Antibody-Negative
	K4	23	HIV-1 Antibody-Negative
L	L1	21	HIV-1 Antibody-Positive
	L2, L5	18	HIV-1 Antibody-Positive
	L3	22	HIV-1 Antibody-Negative
	L4	24	HIV-1 Antibody-Negative

^aHuman immunodeficiency virus type 1

Figure 1. Primary classification of laboratories participating in the April 1997 shipment.

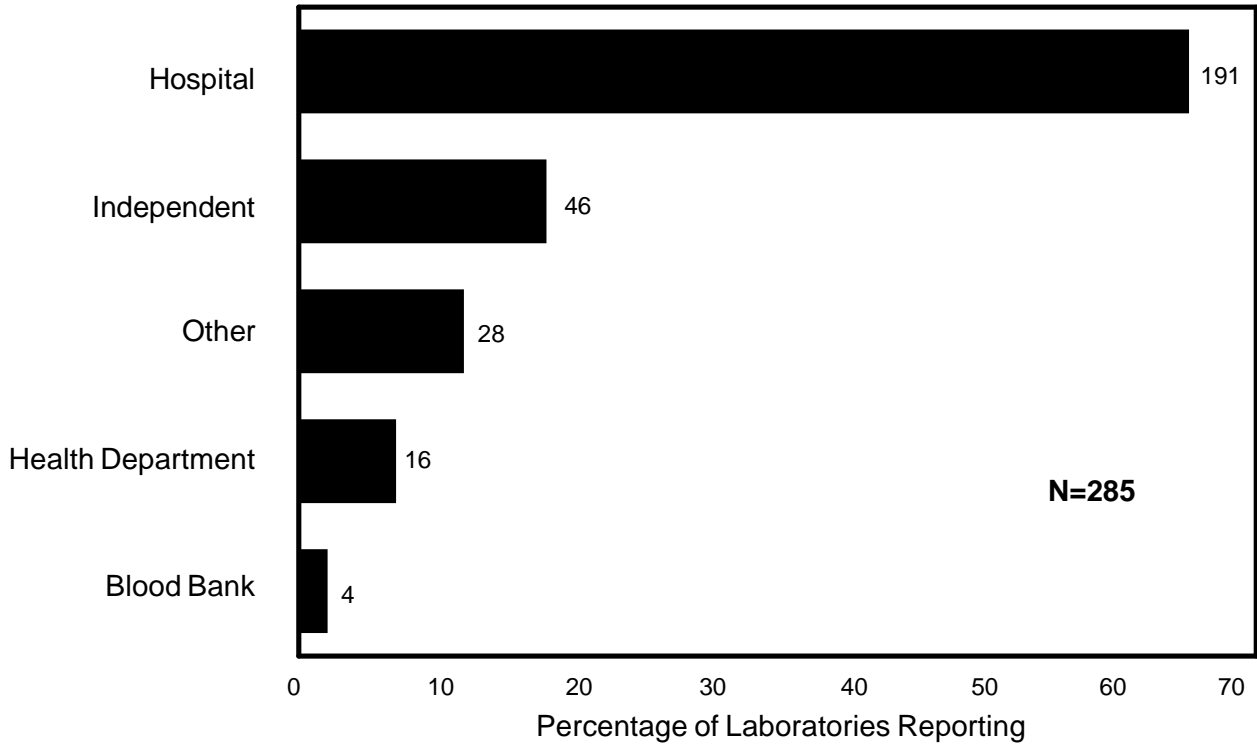


Figure 2. Methods used to prepare specimens for T-lymphocyte immunophenotyping, reported by participant laboratories to CDC for the April 1997 shipment.

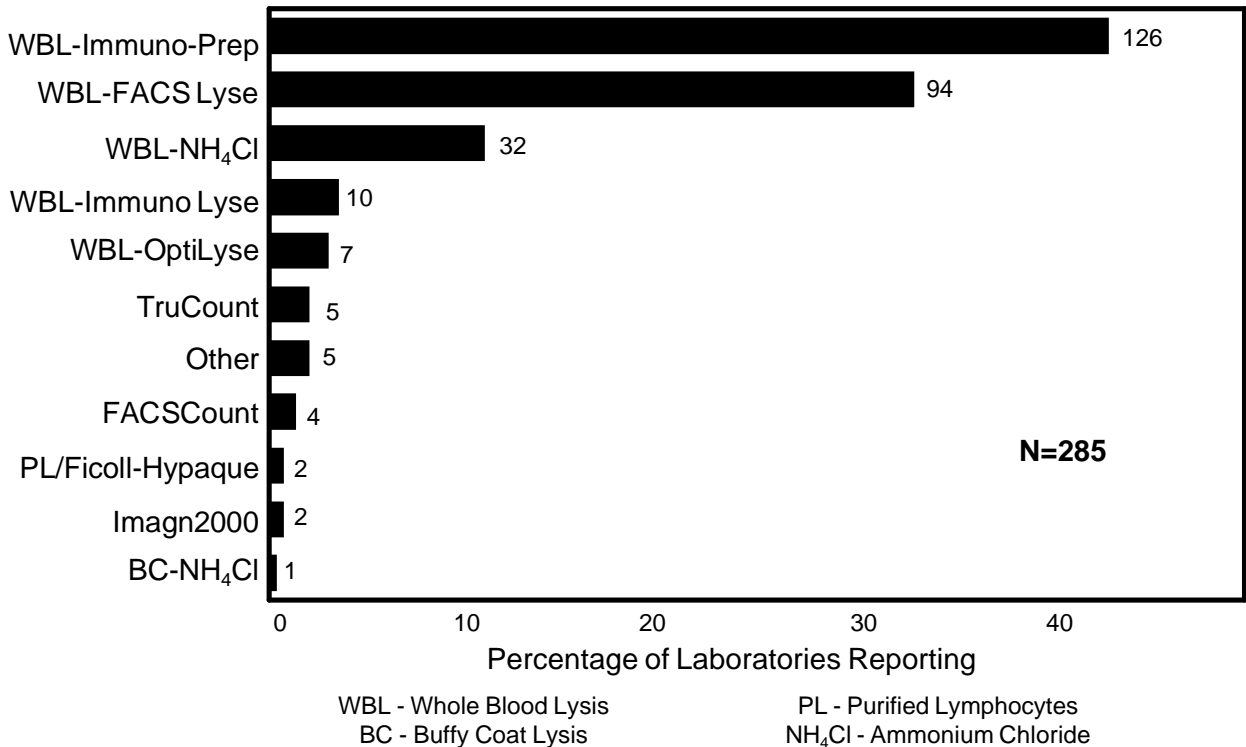


Figure 3. Methods used to fix specimens for T-lymphocyte immunophenotyping, reported by participant laboratories to CDC for the April 1997 shipment.

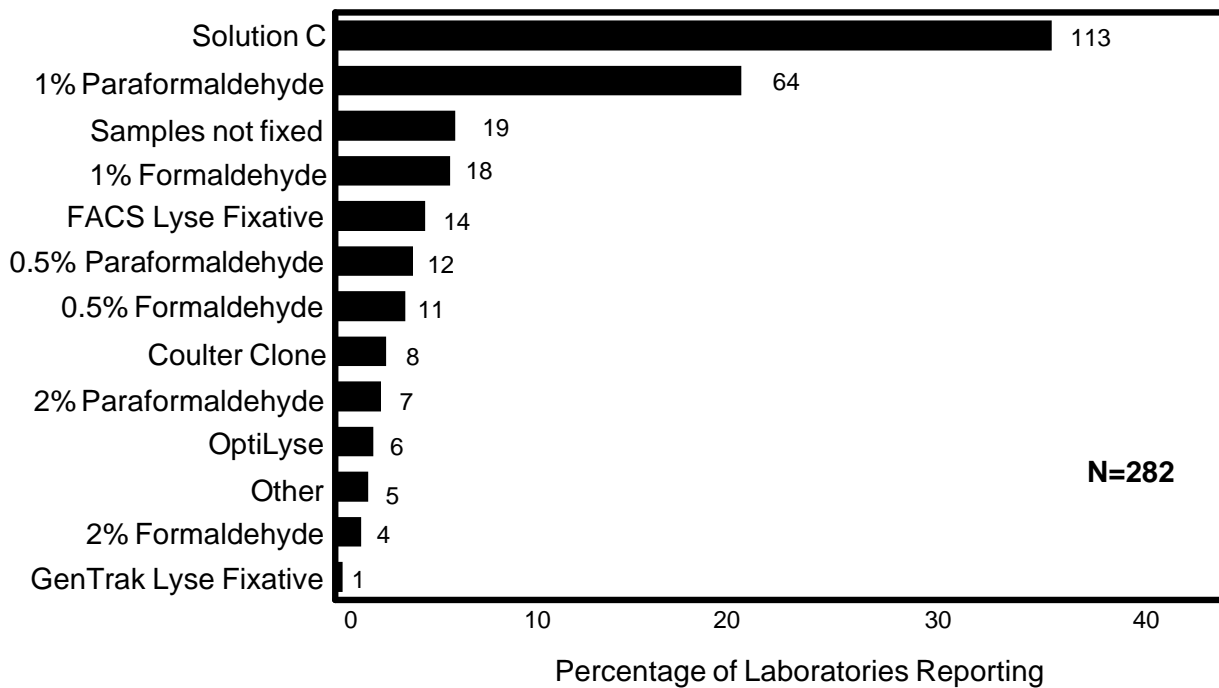


Figure 4. Types of flow cytometers used for T-lymphocyte immunophenotyping, reported by participant laboratories to CDC for the April 1997 shipment.

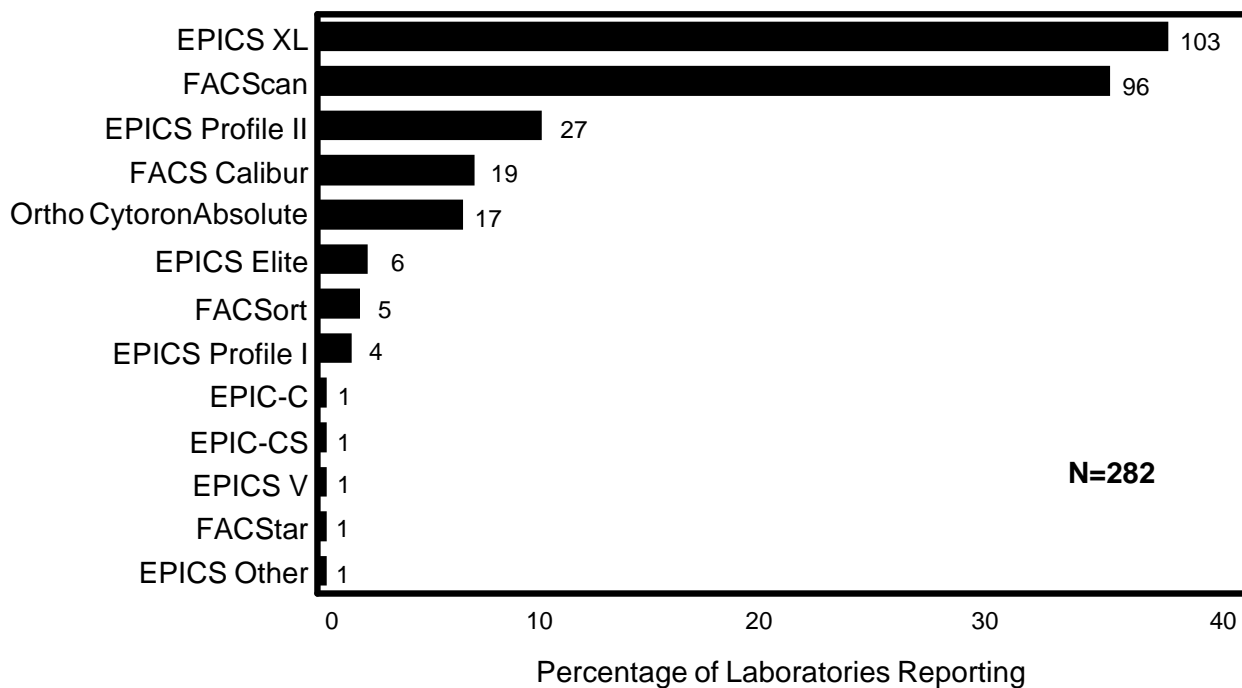
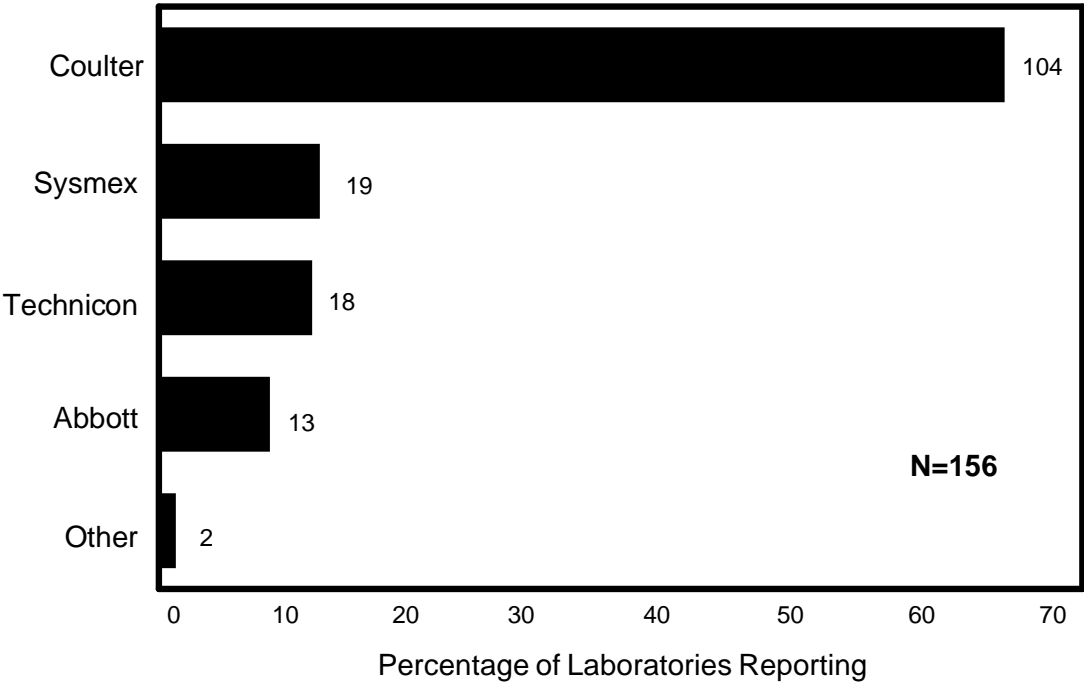


Figure 5. Types of hematology instruments used for T-lymphocyte immunophenotyping, reported by participant laboratories to CDC for the April 1997 shipment.



Explanation of Result Table

In the following result tables, please note the following terms:

Cell Marker	The cell surface marker of interest. All results for this surface marker are shown regardless of the monoclonal antibody combination used for their determination:
CD45 -	results from 2-color CD45/CD14
CD14 -	results from 2-color CD45/CD14
CD4 -	combined results from 2-color CD3/CD4 and 3-color CD45/CD3/CD4, CD3/CD4/CD8
CD8 -	combined results from 2-color CD3/CD8 and 3-color CD45/CD3/CD8, CD3/CD4/CD8
CD19-	combined results from 2-color CD3/CD19 and 3-color CD45/CD3/CD19
CD56+16 -	combined results from 2-color CD3/CD56+16 and 3-color CD45/CD3/CD56+16
CD3 average	combined results from 2-color CD3 average and 3-color CD3 average
CD56 -	results from 2-color CD3/CD56
CD16 -	results from 2-color CD3/CD16

Percentage Results The 95% confidence limits are shown along with the number of reported results within, above, and below the established confidence limits (see accompanying written analysis for the method of establishing the confidence range). **Note:** Due to a limited number of reported results for CD56 and CD16, no 95% confidence limits were established for these markers. The ranges shown are the maximum and minimum values reported for these cell markers.

Absolute Counts The results within, above, and below the 95% confidence limits for the specified cell-marker specific absolute count derived either by multi-platform (flow cytometer/hematology analyzer) or single-platform (single instrument or alternate technique) methods.

Participant Laboratory Results for the April 1997 Shipment

Donor Number 1

Donor Status: HIV-antibody Positive

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	92 - 100	39		
	< 92	3		
CD14	> 2	0		
	0 - 2	40		
	< 0	0		
CD4	> 44	0	> 1129	0
	34 - 44	50	580 - 1129	22
	< 34	0	< 580	0
CD8	> 44	1	> 1201	0
	34 - 44	45	498 - 1201	20
	< 34	2	< 498	0
CD19	> 13	0		
	6 - 13	34		
	< 6	0		
CD56+16	> 14	0		
	5 - 14	30		
	< 5	0		
CD3 Average	> 85	0		
	74 - 85	45		
	< 74	1		
CD56	5 - 8	4		
CD16	8 - 9	2		

Donor Number 2

Donor Status: HIV-antibody Positive

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	92 - 100	32		
	< 92	0		
CD14	> 3	0		
	0 - 3	30		
	< 0	0		
CD4	> 45	0	> 1290	0
	36 - 45	39	734 - 1290	14
	< 36	2	< 734	0
CD8	> 46	1	> 1389	0
	36 - 46	38	678 - 1389	13
	< 36	1	< 678	1
CD19	> 11	1		
	4 - 11	27		
	< 4	0		
CD56+16	> 13	0		
	4 - 13	22		
	< 4	2		
CD3 Average	> 88	0		
	77 - 88	35		
	< 77	1		
CD56	4 - 11	6		
CD16	NA			

Participant Laboratory Results for the April 1997 Shipment

Donor Number 3

Donor Status: HIV-antibody Positive

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	93 - 100	41		
	< 93	1		
CD14	> 2	0		
	0 - 2	42		
	< 0	0		
CD4	> 40	2	> 1008	0
	30 - 40	46	460 - 1008	24
	< 30	0	< 460	0
CD8	> 58	1	> 1538	2
	49 - 58	46	837 - 1538	22
	< 49	1	< 837	0
CD19	> 8	2		
	1 - 8	38		
	< 1	0		
CD56+16	> 8	0		
	0 - 8	16		
	< 0	0		
CD3 Average	> 98	0		
	86 - 98	34		
	< 86	0		
CD56	1 - 8	20		
CD16	1 - 3	10		

Donor Number 4

Donor Status: HIV-antibody Positive

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	92 - 100	32		
	< 92	2		
CD14	> 3	0		
	0 - 3	34		
	< 0	0		
CD4	> 44	1	> 1284	2
	35 - 44	35	728 - 1284	12
	< 35	4	< 728	0
CD8	> 44	1	> 1258	0
	34 - 44	39	547 - 1258	14
	< 34	0	< 547	0
CD19	> 15	1		
	9 - 15	23		
	< 9	0		
CD56+16	> 13	0		
	4 - 13	22		
	< 4	0		
CD3 Average	> 85	0		
	74 - 85	37		
	< 74	1		
CD56	4 - 6	4		
CD16	NA			

Participant Laboratory Results for the April 1997 Shipment

Donor Number 5

Donor Status: HIV-antibody Positive

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	94 - 100	42		
	< 94	0		
CD14	> 2	4		
	0 - 2	37		
	< 0	0		
CD4	> 57	0	> 1996	0
	48 - 57	47	1437 - 1996	12
	< 48	3	< 1437	0
CD8	> 33	0	> 1240	0
	23 - 33	50	525 - 1240	12
	< 23	0	< 525	0
CD19	> 13	1		
	7 - 13	27		
	< 7	0		
CD56+16	> 12	0		
	3 - 12	22		
	< 3	0		
CD3 Average	> 87	0		
	76 - 87	37		
	< 76	1		
CD56	1 - 7	8		
CD16	4 - 7	6		

Donor Number 6

Donor Status: HIV-antibody Positive

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	93 - 100	35		
	< 93	4		
CD14	> 2	2		
	0 - 2	37		
	< 0	0		
CD4	> 34	2	> 1247	0
	24 - 34	45	696 - 1247	20
	< 24	0	< 696	0
CD8	> 58	4	> 2129	3
	48 - 58	40	1425 - 2129	15
	< 48	1	< 1425	2
CD19	> 11	0		
	4 - 11	31		
	< 4	0		
CD56+16	> 10	2		
	1 - 10	21		
	< 1	0		
CD3 Average	> 92	0		
	80 - 92	33		
	< 80	2		
CD56	2 - 5	8		
CD16	4 - 5	4		

Participant Laboratory Results for the April 1997 Shipment

Donor Number 7

Donor Status: HIV-antibody Positive

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	92 - 100	38		
	< 92	0		
CD14	> 2	0		
	0 - 2	37		
	< 0	0		
CD4	> 21	1	> 495	0
	11 - 21	45	0 - 495	18
	< 11	0	< 0	0
CD8	> 60	1	> 1090	0
	50 - 60	40	383 - 1090	17
	< 50	3	< 383	0
CD19	> 17	3		
	10 - 17	22		
	< 10	4		
CD56+16	> 13	0		
	4 - 13	26		
	< 4	0		
CD3 Average	> 80	0		
	69 - 80	40		
	< 69	2		
CD56	5 - 12	4		
CD16	5 - 5	1		

Donor Number 8

Donor Status: HIV-antibody Positive

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	93 - 100	35		
	< 93	2		
CD14	> 2	2		
	0 - 2	34		
	< 0	0		
CD4	> 15	0	> 454	0
	6 - 15	45	0 - 454	13
	< 6	0	< 0	0
CD8	> 82	0	> 1650	0
	72 - 82	42	938 - 1650	13
	< 72	2	< 938	0
CD19	> 9	0		
	2 - 9	27		
	< 2	0		
CD56+16	> 12	0		
	3 - 12	22		
	< 3	0		
CD3 Average	> 92	0		
	81 - 92	36		
	< 81	0		
CD56	0 - 6	7		
CD16	6 - 7	3		

Participant Laboratory Results for the April 1997 Shipment

Donor Number 9

Donor Status: HIV-antibody Positive

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	92 - 100	39		
	< 92	2		
CD14	> 2	1		
	0 - 2	40		
	< 0	0		
CD4	> 16	1	> 451	0
	7 - 16	47	0 - 451	22
	< 7	0	< 0	0
CD8	> 70	4	> 1373	0
	60 - 70	39	671 - 1373	22
	< 60	4	< 671	0
CD19	> 15	0		
	8 - 15	34		
	< 8	2		
CD56+16	> 9	1		
	0 - 9	19		
	< 0	0		
CD3 Average	> 88	0		
	77 - 88	33		
	< 77	2		
CD56	2 - 14	14		
CD16	3 - 5	7		

Donor Number 10

Donor Status: HIV-antibody Negative

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	92 - 100	72		
	< 92	5		
CD14	> 2	3		
	0 - 2	73		
	< 0	0		
CD4	> 65	4	> 1123	5
	55 - 65	85	579 - 1123	35
	< 55	4	< 579	0
CD8	> 27	3	> 680	1
	18 - 27	87	0 - 680	38
	< 18	0	< 0	0
CD19	> 13	0		
	6 - 13	62		
	< 6	2		
CD56+16	> 10	1		
	1 - 10	44		
	< 1	0		
CD3 Average	> 89	1		
	78 - 89	73		
	< 78	2		
CD56	1 - 11	18		
CD16	3 - 6	8		

Participant Laboratory Results for the April 1997 Shipment

Donor Number 11

Donor Status: HIV-antibody Negative

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	92 - 100	73		
	< 92	1		
CD14	> 2	2		
	0 - 2	70		
	< 0	0		
CD4	> 55	1	> 1341	3
	46 - 55	88	795 - 1341	26
	< 46	2	< 795	2
CD8	> 24	1	> 755	0
	14 - 24	88	57 - 755	30
	< 14	0	< 57	0
CD19	> 15	1		
	8 - 15	56		
	< 8	0		
CD56+16	> 21	0		
	11 - 21	49		
	< 11	0		
CD3 Average	> 77	0		
	66 - 77	78		
	< 66	1		
CD56	2 - 16	11		
CD16	7 - 15	4		

Donor Number 12

Donor Status: HIV-antibody Negative

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	93 - 100	74		
	< 93	3		
CD14	> 3	2		
	0 - 3	74		
	< 0	0		
CD4	> 38	3	> 1003	0
	28 - 38	88	458 - 1003	35
	< 28	2	< 458	0
CD8	> 30	4	> 927	2
	20 - 30	85	231 - 927	33
	< 20	2	< 231	0
CD19	> 24	1		
	17 - 24	58		
	< 17	4		
CD56+16	> 15	1		
	6 - 15	39		
	< 6	2		
CD3 Average	> 73	2		
	62 - 73	65		
	< 62	3		
CD56	2 - 14	21		
CD16	4 - 11	10		

Participant Laboratory Results for the April 1997 Shipment

Donor Number 13

Donor Status: HIV-antibody Positive

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	94 - 100	36		
	< 94	0		
CD14	> 2	0		
	0 - 2	36		
	< 0	0		
CD4	> 50	2	> 1164	3
	40 - 50	45	615 - 1164	23
	< 40	1	< 615	0
CD8	> 44	0	> 1178	2
	35 - 44	48	478 - 1178	24
	< 35	0	< 478	0
CD19	> 11	0		
	4 - 11	26		
	< 4	0		
CD56+16	> 9	0		
	0 - 9	22		
	< 0	0		
CD3 Average	> 91	0		
	80 - 91	40		
	< 80	0		
CD56	1 - 4	6		
CD16	NA			

Donor Number 14

Donor Status: HIV-antibody Positive

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	92 - 100	36		
	< 92	0		
CD14	> 3	0		
	0 - 3	37		
	< 0	0		
CD4	> 46	2	> 955	1
	37 - 46	45	408 - 955	27
	< 37	2	< 408	0
CD8	> 43	2	> 979	1
	33 - 43	47	280 - 979	27
	< 33	0	< 280	0
CD19	> 14	1		
	7 - 14	25		
	< 7	5		
CD56+16	> 9	1		
	0 - 9	24		
	< 0	0		
CD3 Average	> 89	0		
	78 - 89	37		
	< 78	0		
CD56	1 - 2	8		
CD16	0 - 1	2		

Participant Laboratory Results for the April 1997 Shipment

Donor Number 15

Donor Status: HIV-antibody Positive

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	2		
	93 - 100	35		
	< 93	3		
CD14	> 3	5		
	0 - 3	33		
	< 0	0		
CD4	> 36	1	> 1050	2
	27 - 36	45	501 - 1050	22
	< 27	0	< 501	0
CD8	> 62	0	> 1732	5
	53 - 62	48	1030 - 1732	18
	< 53	0	< 1030	1
CD19	> 10	0		
	3 - 10	32		
	< 3	0		
CD56+16	> 7	2		
	0 - 7	28		
	< 0	0		
CD3 Average	> 94	0		
	83 - 94	39		
	< 83	3		
CD56	1 - 2	6		
CD16	2 - 3	4		

Donor Number 16

Donor Status: HIV-antibody Positive

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	92 - 100	36		
	< 92	2		
CD14	> 3	0		
	0 - 3	36		
	< 0	0		
CD4	> 33	2	> 711	0
	24 - 33	40	160 - 711	18
	< 24	2	< 160	2
CD8	> 65	2	> 1217	1
	55 - 65	41	514 - 1217	17
	< 55	1	< 514	2
CD19	> 11	2		
	5 - 11	38		
	< 5	0		
CD56+16	> 8	2		
	0 - 8	32		
	< 0	0		
CD3 Average	> 94	0		
	83 - 94	36		
	< 83	0		
CD56	1 - 3	8		
CD16	1 - 13	6		

Participant Laboratory Results for the April 1997 Shipment

Donor Number 17

Donor Status: HIV-antibody Positive

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	92 - 100	36		
	< 92	2		
CD14	> 2	0		
	0 - 2	37		
	< 0	0		
CD4	> 45	1	> 939	2
	36 - 45	47	389 - 939	19
	< 36	3	< 389	0
CD8	> 36	0	> 868	0
	27 - 36	50	164 - 868	20
	< 27	0	< 164	0
CD19	> 13	1		
	6 - 13	39		
	< 6	0		
CD56+16	> 20	1		
	11 - 20	22		
	< 11	3		
CD3 Average	> 79	0		
	68 - 79	43		
	< 68	2		
CD56	10 - 13	8		
CD16	17 - 18	2		

Donor Number 18

Donor Status: HIV-antibody Positive

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	92 - 100	28		
	< 92	0		
CD14	> 2	0		
	0 - 2	28		
	< 0	0		
CD4	> 37	5	> 922	0
	27 - 37	36	374 - 922	24
	< 27	0	< 374	0
CD8	> 49	0	> 1230	0
	39 - 49	40	529 - 1230	24
	< 39	0	< 529	0
CD19	> 12	0		
	5 - 12	30		
	< 5	0		
CD56+16	> 13	0		
	4 - 13	22		
	< 4	2		
CD3 Average	> 88	2		
	77 - 88	38		
	< 77	0		
CD56	3 - 8	8		
CD16	NA			

Participant Laboratory Results for the April 1997 Shipment

Donor Number 19

Donor Status: HIV-antibody Positive

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	91 - 100	32		
	< 91	5		
CD14	> 3	1		
	0 - 3	35		
	< 0	0		
CD4	> 11	1	> 348	0
	2 - 11	45	0 - 348	23
	< 2	0	< 0	0
CD8	> 64	2	> 952	1
	54 - 64	41	250 - 952	21
	< 54	3	< 250	1
CD19	> 17	2		
	10 - 17	28		
	< 10	3		
CD56+16	> 20	3		
	11 - 20	22		
	< 11	3		
CD3 Average	> 76	1		
	65 - 76	35		
	< 65	2		
CD56	3 - 13	7		
CD16	15 - 25	3		

Donor Number 20

Donor Status: HIV-antibody Positive

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	92 - 100	35		
	< 92	3		
CD14	> 2	0		
	0 - 2	37		
	< 0	0		
CD4	> 13	0	> 402	0
	4 - 13	50	0 - 402	25
	< 4	0	< 0	0
CD8	> 83	2	> 1389	3
	74 - 83	45	687 - 1389	21
	< 74	3	< 687	0
CD19	> 7	0		
	0 - 7	36		
	< 0	0		
CD56+16	> 10	0		
	1 - 10	26		
	< 1	0		
CD3 Average	> 95	0		
	83 - 95	42		
	< 83	0		
CD56	1 - 4	8		
CD16	2 - 5	2		

Participant Laboratory Results for the April 1997 Shipment

Donor Number 21

Donor Status: HIV-antibody Positive

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	1		
	91 - 100	29		
	< 91	4		
CD14	> 3	4		
	0 - 3	29		
	< 0	0		
CD4	> 17	0	> 563	1
	7 - 17	44	15 - 563	23
	< 7	0	< 15	0
CD8	> 68	1	> 1747	2
	58 - 68	42	1046 - 1747	21
	< 58	1	< 1046	1
CD19	> 21	0		
	14 - 21	29		
	< 14	2		
CD56+16	> 7	1		
	0 - 7	26		
	< 0	0		
CD3 Average	> 83	1		
	72 - 83	36		
	< 72	4		
CD56	1 - 5	7		
CD16	2 - 3	2		

Donor Number 22

Donor Status: HIV-antibody Negative

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	92 - 100	67		
	< 92	4		
CD14	> 2	2		
	0 - 2	67		
	< 0	0		
CD4	> 55	1	> 1244	4
	46 - 55	89	701 - 1244	41
	< 46	0	< 701	2
CD8	> 30	0	> 866	3
	20 - 30	90	172 - 866	43
	< 20	0	< 172	1
CD19	> 13	1		
	6 - 13	62		
	< 6	1		
CD56+16	> 17	1		
	8 - 17	52		
	< 8	2		
CD3 Average	> 82	1		
	71 - 82	77		
	< 71	1		
CD56	4 - 14	14		
CD16	12 - 16	5		

Participant Laboratory Results for the April 1997 Shipment

Donor Number 23

Donor Status: HIV-antibody Negative

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	0		
	92 - 100	70		
	< 92	5		
CD14	> 2	0		
	0 - 2	73		
	< 0	0		
CD4	> 41	2	> 759	6
	32 - 41	92	216 - 759	41
	< 32	2	< 216	1
CD8	> 43	4	> 868	4
	34 - 43	91	174 - 868	42
	< 34	1	< 174	1
CD19	> 12	1		
	5 - 12	67		
	< 5	1		
CD56+16	> 16	1		
	7 - 16	48		
	< 7	4		
CD3 Average	> 84	2		
	73 - 84	76		
	< 73	2		
CD56	2 - 13	15		
CD16	1 - 16	5		

Donor Number 24

Donor Status: HIV-antibody Negative

Cell Marker	Percentage Results		Absolute Counts	
	Range	No.	Range	No.
CD45	> 100	1		
	91 - 100	61		
	< 91	9		
CD14	> 2	3		
	0 - 2	66		
	< 0	0		
CD4	> 55	4	> 1224	6
	46 - 55	83	681 - 1224	42
	< 46	7	< 681	1
CD8	> 29	1	> 838	3
	20 - 29	90	144 - 838	45
	< 20	1	< 144	0
CD19	> 11	0		
	4 - 11	65		
	< 4	1		
CD56+16	> 19	3		
	10 - 19	48		
	< 10	2		
CD3 Average	> 81	3		
	70 - 81	73		
	< 70	6		
CD56	4 - 16	15		
CD16	3 - 14	3		