

T-Cell Naïve/Memory Panel Components and Reference Range

CD3 T Cells	
% of CD45 + lymphocytes	
0 up to 3 months	53-84
3 months up to 6 months	51-77
6 months up to 1 year	49-76
1 year up to 2 years	53-75
2 years up to 6 years	56-75
6 years up to 12 years	60-76
12 years up to 18 years	56-84
18 years and up	59-83
CD3+CD4+	
% of CD45 + lymphocytes	
0 up to 3 months	35-64
3 months up to 6 months	35-56
6 months up to 1 year	31-56
1 year up to 2 years	32-51
2 years up to 6 years	28-47
6 years up to 12 years	31-47
12 years up to 18 years	31-52
18 years and up	31-59
Naïve CD4 Cells (CD45RA+)	
% of CD3+CD4+	
0 up to 3 months	64-95
3 months up to 6 months	77-94
6 months up to 1 year	64-93
1 year up to 2 years	63-91
2 years up to 6 years	53-86
6 years up to 12 years	46-77
12 years up to 18 years	33-66
18 years and up	15-70
Memory CD4 Cells (CD45RO+)	
% of CD3+CD4+	
0 up to 3 months	2-22
3 months up to 6 months	3-16
6 months up to 1 year	5-18
1 year up to 2 years	7-20
2 years up to 6 years	9-26
6 years up to 12 years	13-30
12 years up to 18 years	18-38
18 years and up	30-85
CD4 RTE (CD45RA+CD31+)	
% of CD3+CD4+	
0 up to 3 months	50-100
3 months up to 6 months	64-94
6 months up to 1 year	65-90
1 year up to 2 years	40-100
2 years up to 6 years	37-100
6 years up to 12 years	41-81
12 years up to 18 years	31-81
18 years and up	2-50
CD4 TCM (CCR7+CD45RA-)	
% of CD3+CD4+	
0 up to 3 months	4-41
3 months up to 6 months	2-51
6 months up to 1 year	2-59
1 year up to 2 years	0-40
2 years up to 6 years	15-56
6 years up to 12 years	0-100
12 years up to 18 years	13-76
18 years and up	23-73
CD4 TEM (CCR7-CD45RA-)	
% of CD3+CD4+	
0 up to 3 months	0-1
3 months up to 6 months	0-0
6 months up to 1 year	0-1
1 year up to 2 years	0-4
2 years up to 6 years	0-9
6 years up to 12 years	0-18
12 years up to 18 years	0-25
18 years and up	0-27

CD4 TEMRA (CCR7-CD45RA+)	
% of CD3+CD4+	
0 up to 3 months	0.0-0.1
3 months up to 6 months	0.0-0.4
6 months up to 1 year	0.0-7.3
1 year up to 2 years	0.0-2.7
2 years up to 6 years	0.0-1.2
6 years up to 12 years	0.0-1.8
12 years up to 18 years	0.0-6.8
18 years and up	0.0-5.4
CD3+CD8+	
% of CD45 + lymphocytes	
0 up to 3 months	12-28
3 months up to 6 months	12-23
6 months up to 1 year	12-24
1 year up to 2 years	14-30
2 years up to 6 years	16-30
6 years up to 18 years	18-35
18 years and up	12-38
NAÏVE CD8 Cells (CD45RA+)	
% of CD3+CD8+	
0 up to 3 months	80-99
3 months up to 6 months	85-98
6 months up to 1 year	75-97
1 year up to 2 years	71-98
2 years up to 6 years	69-97
6 years up to 12 years	63-92
12 years up to 18 years	61-91
18 years and up	26-81
Memory CD8 Cells (CD45RO+)	
% of CD3+CD8+	
0 up to 3 months	1-9
3 months up to 6 months	1-7
6 months up to 1 year	1-8
1 year up to 2 years	2-12
2 years up to 6 years	4-16
6 years up to 12 years	4-21
12 years up to 18 years	4-23
18 years and up	19-73
CD8 TCM (CCR7+CD45RA-)	
% of CD3+CD8+	
0 up to 3 months	2-35
3 months up to 6 months	0-24
6 months up to 1 year	0-13
1 year up to 2 years	1-8
2 years up to 6 years	1-9
6 years up to 12 years	1-6
12 years up to 18 years	0-20
18 years and up	0-46
CD8 TEM (CCR7-CD45RA-)	
% of CD3+CD8+	
0 up to 3 months	1-23
3 months up to 6 months	0-70
6 months up to 1 year	1-100
1 year up to 2 years	2-100
2 years up to 6 years	10-55
6 years up to 12 years	5-100
12 years up to 18 years	4-100
18 years and up	0-47
CD8 TEMRA (CCR7-CD45RA+)	
% of CD3+CD8+	
0 up to 3 months	3-42
3 months up to 6 months	3-40
6 months up to 1 year	5-78
1 year up to 2 years	8-71
2 years up to 6 years	6-83
6 years up to 12 years	15-41
12 years up to 18 years	9-65
18 years and up	0-43