

# Blood Controls

## Certificate of Analysis CD4 Normal Blood Control

**RUO**

**LOT** : 29433

 : 2016-05-22

Start Date of Manufacture: 2016-02-24

Start Date of Quality Control Testing: 2016-02-29

Lymphocytes	Expected Values					
	% Positive	Range (%)		Absolute Count (cells/ $\mu$ l)	Range (cells/ $\mu$ l)	
		min	max		min	max
CD3+	84.9	82.6	87.2	1476	1197	1756
CD3+ CD4+	61.7	60.2	63.3	1073	870	1277
CD3+ CD8+	16.2	14.6	17.8	282	227	336
NK Cells	5.5	4.5	6.6	97	60	133
B Cells	7.9	7.0	8.8	138	95	180

**Pass Criterion:**

Absolute count for CD3+CD4+ cells must fall within the range 410-1590 cells/ $\mu$ l.

**Comments:**

Sample preparation was performed using the Cytognos Lymphogram and CD45 OC515 antibody cocktail and the lyse (BC Versalyse), no wash method. Acquisition and analysis were performed on a BC Navios flow cytometer using BC Flow Count Beads to enumerate cells. These results are averaged and the CD3+CD4+ absolute count met the acceptance criterion.

Signature of Quality Control Manager



Date: 2016-03-03