

CONFIDENCE LIMITS FOR MANUAL DIFFERENTIAL

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> St. Joseph Medical Center, Tacoma, WA | <input checked="" type="checkbox"/> St. Anthony Hospital Gig Harbor, WA | <input type="checkbox"/> Harrison Medical Center, Bremerton, WA |
| <input checked="" type="checkbox"/> St. Francis Hospital, Federal Way, WA | <input checked="" type="checkbox"/> St. Elizabeth Hospital Enumclaw, WA | <input type="checkbox"/> Harrison Medical Center, Silverdale, WA |
| <input checked="" type="checkbox"/> St. Clare Hospital Lakewood, WA | <input checked="" type="checkbox"/> Highline Medical Center Burien, WA | <input type="checkbox"/> PSC |

% Cell Type Observed	95% Confidence Limit (Acceptable Range)			
	Number of Cells Counted			
	100	200	500	1000
0	0-4	0-2	0-1	0-1
1	0-6	0-4	0-3	0-2
2	0-8	0-6	0-4	1-4
3	0-9	1-7	1-5	2-5
4	1-10	1-8	2-7	2-6
5	1-12	2-10	3-8	3-7
6	2-13	3-11	4-9	4-8
7	2-14	3-12	4-10	5-9
8	3-16	4-13	5-11	6-10
9	4-17	5-14	6-12	7-11
10	4-18	6-16	7-13	8-13
15	8-24	10-21	11-19	12-18
20	12-30	14-27	16-24	17-23
25	16-35	19-32	21-30	22-28
30	21-40	23-37	26-35	27-33
35	25-46	28-43	30-40	32-39

40	30-51	33-48	35-45	36-44
45	35-56	38-53	40-50	41-49
50	39-61	42-58	45-55	46-54
55	44-65	47-62	50-60	51-59
60	49-70	52-67	55-65	56-64
65	54-75	57-72	60-70	61-68
70	60-79	63-77	65-74	67-73
75	65-84	68-81	70-79	72-78
80	70-88	73-86	76-84	77-83
85	76-92	79-90	81-89	82-88
90	82-96	84-94	87-93	87-92
95	88-99	90-98	92-97	93-97

Example: If 6% monocytes were identified in a 100-cell differential, there is a confidence coefficient of 95% that the True value is between 2% and 13% and a 5% that it is not.

Rumke CL: Variability of results in differential counts on blood smears. Triangle *Sandoz Journal of Medical Science*, 4:156, 1960. Copyright Sandoz Ltd, Basle, Switzerland.