

**Immune Monitoring Scheme**

Distribution: 0802

Sample: 198

Participant: 12345

Date Issued: 25-Mar-2008

All Participants

Machine: Coulter-FC-500

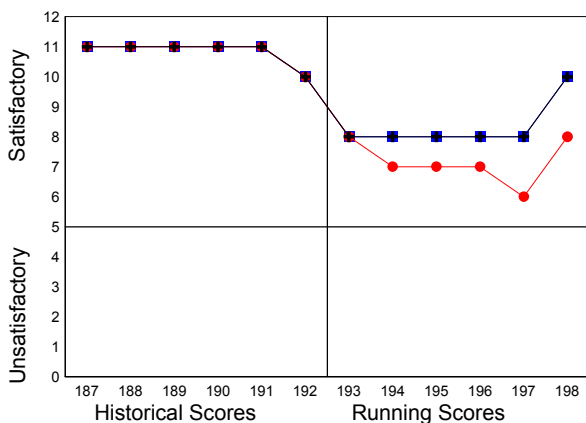
**Your Results**

	Absolute Values			
	Result ( cells/ $\mu$ l )	Score	Running Score	Performance
<b>CD3+ Lymphocytes</b>	1477	2	10	Satisfactory
<b>CD3+/CD4+ Lymphocytes</b>	51	2	8	Satisfactory
<b>CD3+/CD8+ Lymphocytes</b>	1256	2	10	Satisfactory
CD19+ Lymphocytes	335	2	8	Satisfactory
CD16+/CD56+ Lymphocytes	278	2	9	Satisfactory

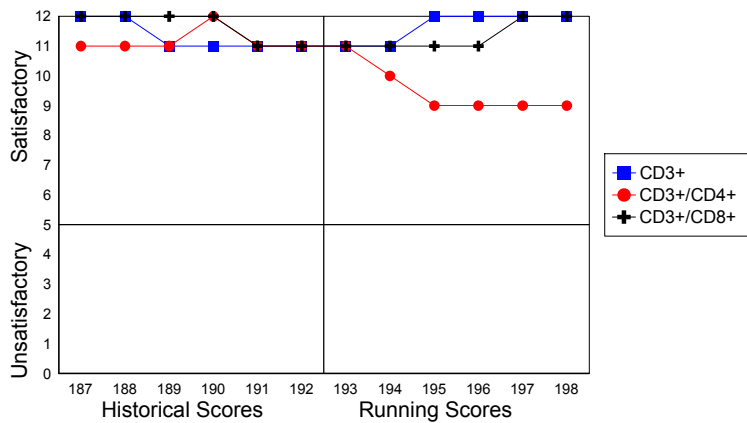
	Percentage Values			
	Result (%)	Score	Running Score	Performance
<b>CD3+ Lymphocytes</b>	67.00	2	12	Satisfactory
<b>CD3+/CD4+ Lymphocytes</b>	2.30	2	9	Satisfactory
<b>CD3+/CD8+ Lymphocytes</b>	57.00	2	12	Satisfactory
CD19+ Lymphocytes	15.20	1	5	Satisfactory
CD16+/CD56+ Lymphocytes	12.60	2	7	Satisfactory

**Performance Graphs**

Absolute Values



Percentage Values



**Overall Statistics Tables**

	Absolute Values cells/ $\mu$ l				Percentage Values			
	Returns	Mean	Trimmed Mean	Trimmed SD	Returns	Mean	Trimmed Mean	Trimmed SD
CD3+ Lymphocytes	466	1388	1404	147	433	66.55	66.62	2.08
CD3+/CD4+ Lymphocytes	485	61	60	16	447	3.18	2.89	0.67
CD3+/CD8+ Lymphocytes	455	1159	1178	142	434	56.48	56.33	2.99
CD19+ Lymphocytes	310	373	386	60	336	17.77	18.00	1.66
CD16+/CD56+ Lymphocytes	288	260	267	61	311	12.53	12.59	2.02

## Antibody Groups for Percentage Values



Antibody	CD3+ Lymphs		CD3+/CD4+ Lymphs		CD3+/CD8+ Lymphs		CD19+ Lymphs		CD16+/CD56+ Lymphs	
	Returns	Group Mean	Returns	Group Mean	Returns	Group Mean	Returns	Group Mean	Returns	Group Mean
BD Biosciences	276	66.68	280	3.30	277	57.08	206	17.92	202	13.03
Beckman Coulter	139	66.23	144	2.92	138	54.90	106	17.31	94	11.46
Caltag	1	66.20	2	2.75	2	56.45	1	17.10	1	12.50
Cytognos	2	64.00	2	3.20	2	71.80	2	21.90	1	13.00
DakoCytomation	8	66.24	8	3.57	7	56.42	11	18.74	6	12.20
Guava Technologies	1	82.00	3	5.87	1	77.00	0	0.00	0	0.00
Immunotech	3	66.93	3	2.65	3	59.59	8	17.16	6	12.88
Pharmingen	1	65.90	2	3.03	1	55.39	0	0.00	0	0.00

## Detection system for Percentage Values



Method	CD3+ Lymphs		CD3+/CD4+ Lymphs		CD3+/CD8+ Lymphs		CD19+ Lymphs		CD16+/CD56+ Lymphs	
	Returns	Group Mean	Returns	Group Mean	Returns	Group Mean	Returns	Group Mean	Returns	Group Mean
BD Biosciences	283	66.64	288	3.31	284	57.11	214	17.99	204	13.00
Coulter	147	66.28	153	2.93	147	55.12	120	17.38	105	11.54
Dako	1	66.00	1	2.00	1	60.00	1	18.00	1	18.00
Guava Technologies Inc	1	82.00	3	5.87	1	77.00	0	0.00	0	0.00
Partec	1	64.00	2	1.78	1	52.77	1	15.76	1	16.08

## Absolute Count Determination by Platform



cells/ $\mu$ l

Method	CD3+ Lymphs				CD3+/CD4+ Lymphs				CD3+/CD8+ Lymphs				CD19+ Lymphs				CD16+/CD56+ Lymphs			
	Returns	Mean	SD	CV	Returns	Mean	SD	CV	Returns	Mean	SD	CV	Returns	Mean	SD	CV	Returns	Mean	SD	CV
All	449	1388	193	14	467	61	23	38	439	1159	179	15	305	373	75	20	283	259	68	26
Single	366	1402	181	13	384	62	24	39	356	1173	166	14	240	382	73	19	221	265	71	27
TRUCOUNT	188	1451	156	11	188	69	26	37	186	1225	138	11	133	406	59	15	130	290	46	16
FACSCOUNT	51	1381	103	7	54	45	12	28	40	1156	98	9	2	446	1	0	0	0	0	0
FLOW COUNT	86	1309	199	15	98	57	18	31	89	1076	191	18	74	347	64	18	64	220	73	33
PERFECT COUNT	2	1057	739	70	2	42	26	63	2	883	589	67	2	319	242	76	1	86	0	0
OTHER	6	1341	70	5	6	72	46	64	6	1131	32	3	5	377	54	14	3	269	25	9
Dual	83	1324	226	17	83	54	16	29	83	1102	219	20	65	340	72	21	62	241	53	22
HAEM. WBC	64	1354	214	16	63	55	16	29	63	1119	221	20	48	348	63	18	47	250	50	20
HAEM. LYMPH	19	1224	241	20	20	49	14	29	20	1049	209	20	17	318	93	29	15	214	57	27

## Percentage Count by Gate



Method	CD3+ Lymphs				CD3+/CD4+ Lymphs				CD3+/CD8+ Lymphs				CD19+ Lymphs				CD16+/CD56+ Lymphs			
	Returns	Mean	SD	CV	Returns	Mean	SD	CV	Returns	Mean	SD	CV	Returns	Mean	SD	CV	Returns	Mean	SD	CV
CD3	11	63.74	20.64	32.38	12	4.13	1.64	39.67	10	59.64	4.27	7.16	1	19.27	0.00	0.00	0	0.00	0.00	0.00
CD4/SSC	3	66.80	4.85	7.26	4	2.43	1.34	55.16	2	53.90	2.97	5.51	1	18.10	0.00	0.00	1	16.50	0.00	0.00
CD45/14	4	69.64	3.37	4.84	4	2.71	0.21	7.76	4	58.38	5.59	9.57	4	15.40	4.67	30.31	4	13.83	1.63	11.76
CD45/SSC	374	66.61	5.87	8.82	375	3.13	3.17	101.45	371	55.90	5.50	9.84	302	17.85	2.69	15.04	279	12.49	2.86	22.86
Facscount Gating	2	66.55	0.64	0.96	2	2.70	0.42	15.71	2	51.00	2.83	5.55	1	6.60	0.00	0.00	1	7.40	0.00	0.00
FSC/SSC	36	66.52	5.79	8.70	43	3.68	1.97	53.58	42	61.09	10.92	17.88	25	17.40	2.41	13.85	24	12.65	3.53	27.92
Panleucogate	3	65.23	0.50	0.77	7	2.55	0.20	7.74	3	55.40	3.76	6.79	2	18.60	0.42	2.28	2	14.25	0.07	0.50

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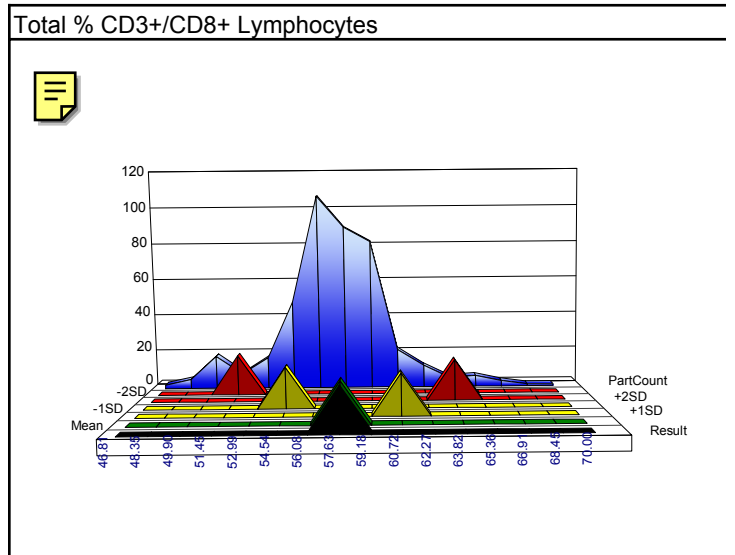
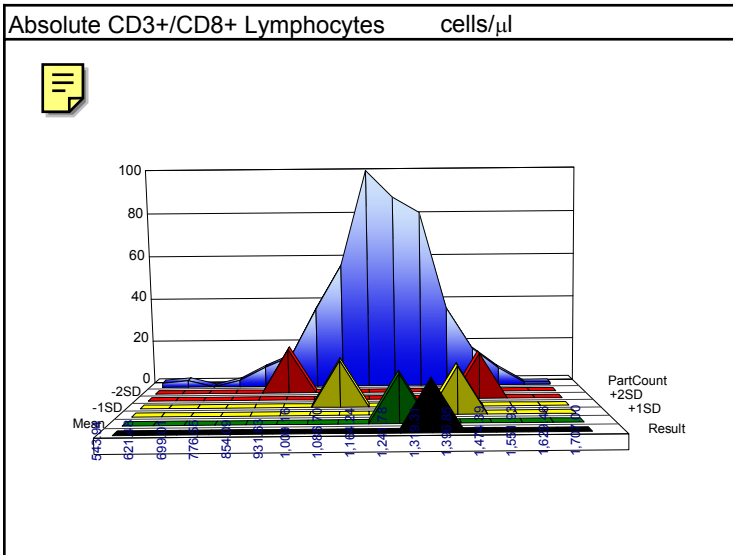
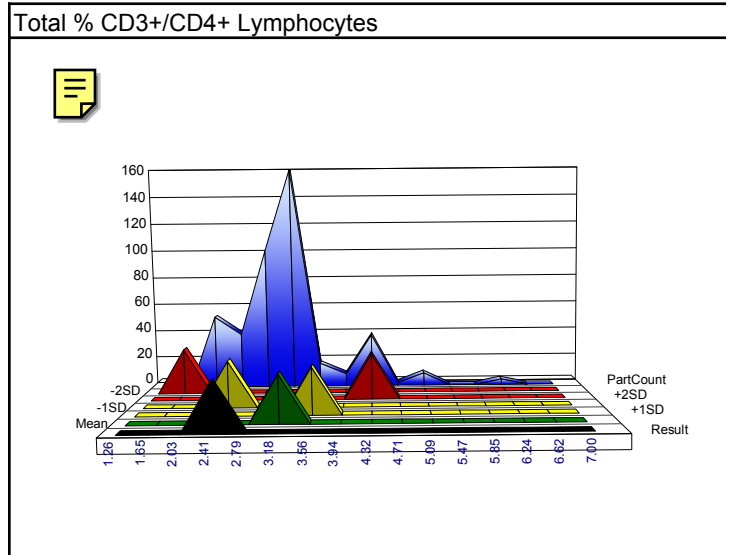
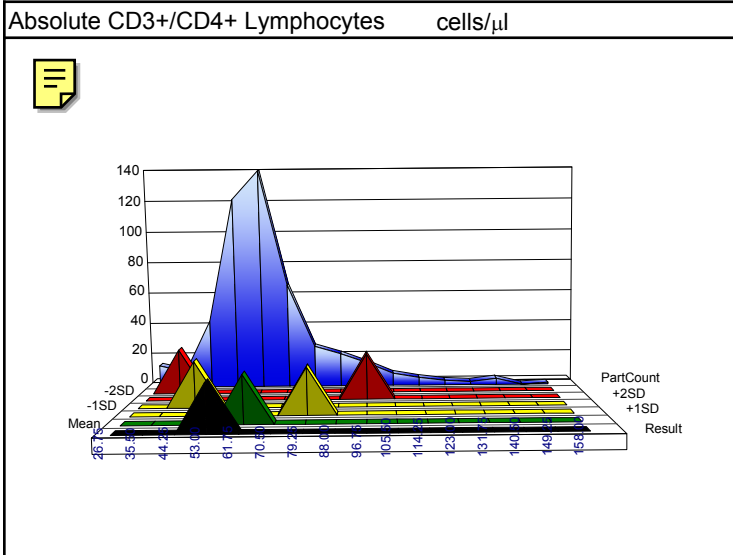
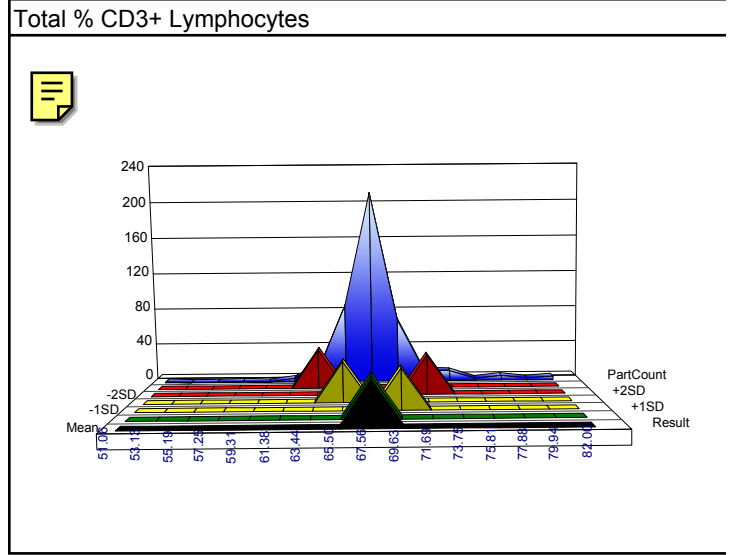
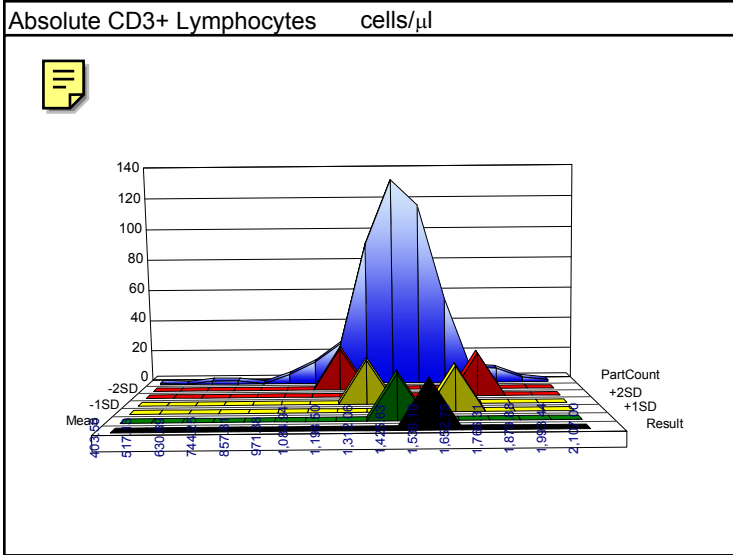
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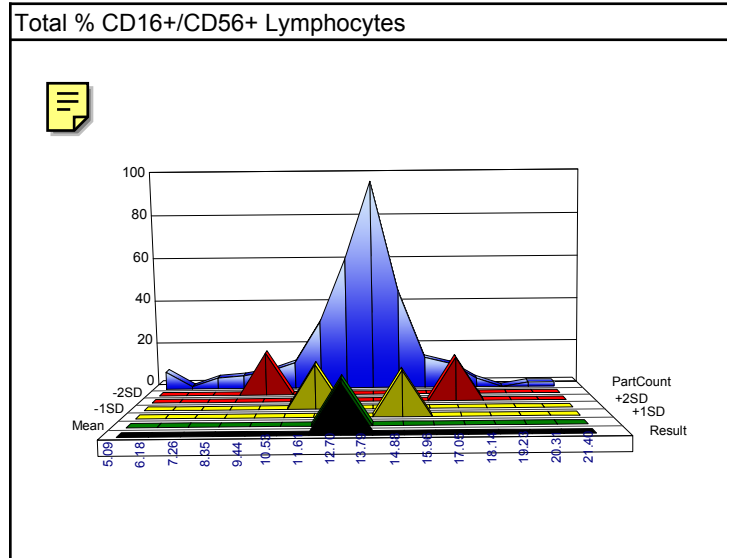
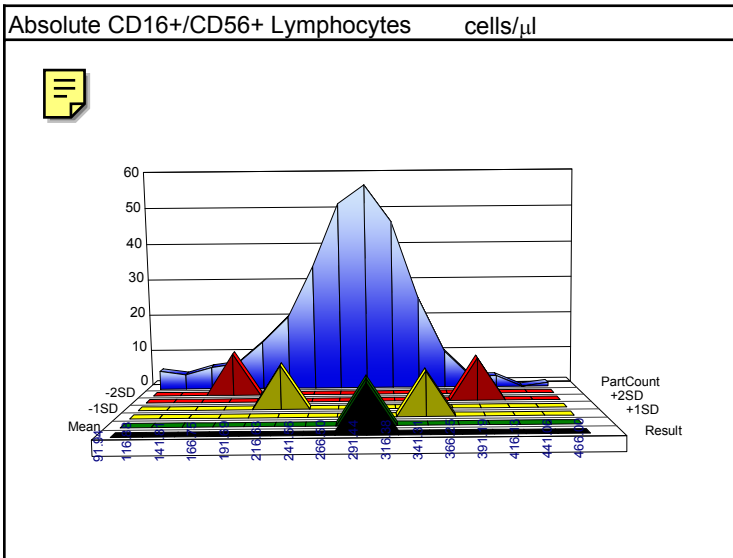
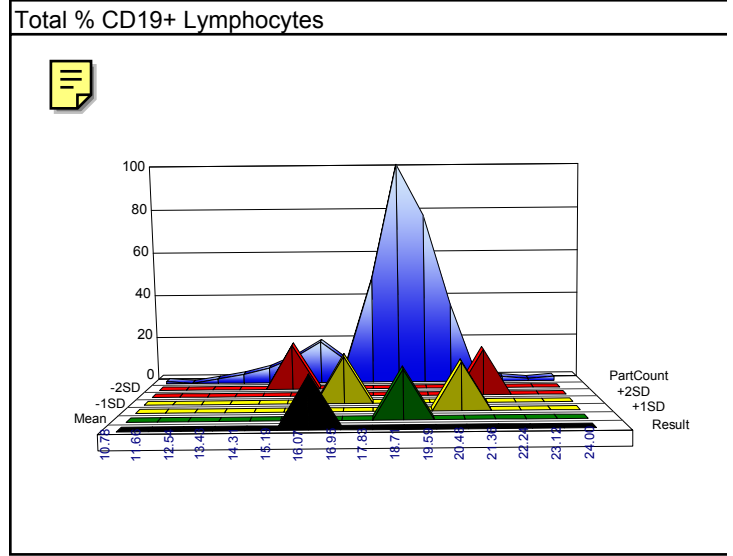
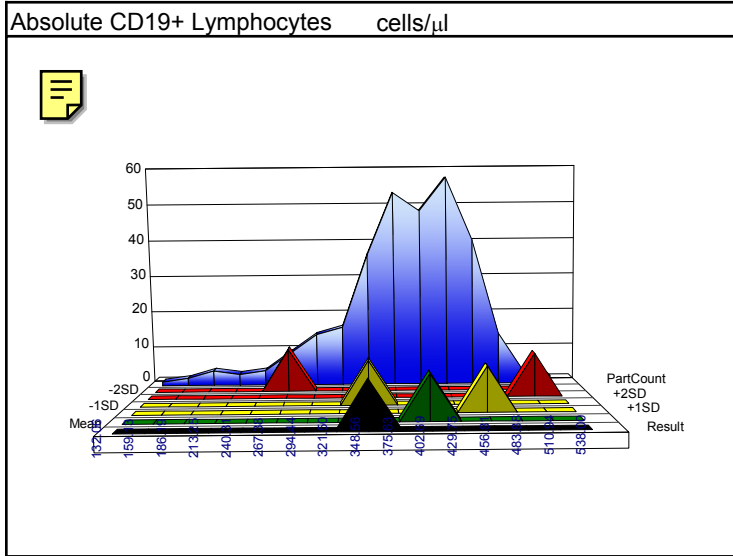
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**Report Information**

Could all participants please ensure that they report absolute cell counts as cells /  $\mu$ l

We are unable to accept results in any other units at this present time. The conversion is simple  
e.g. 500 cells /  $\mu$ l  $\equiv$  0.5 x 10<sup>9</sup> / l

Please note we are unable to amend or convert any incorrectly submitted units, as any error made by UK NEQAS could affect the participant's performance score.