

# Certificate of Analysis

## CD14+ MONOCYTES 35 E+06

<b>DONOR NUMBER</b>	4494BW			
<b>AGE</b> 27	<b>HEIGHT</b> 65	<b>WEIGHT</b> 155	<b>SEX</b> Male	
<b>MEDICATIONS</b>				
Levetiracetam - 750mg twice daily				
<b>NOTES</b>				

<b>DATE COLLECTED</b>	9/28/2021
<b>DATE PURIFIED</b>	9/28/2021
<b>% VIABILITY</b>	99.7%
<b>% YIELD</b>	12.73%

<b>DATE OF FACS ANALYSIS</b>	9/28/2021
<b>PERFORMED BY</b>	KB

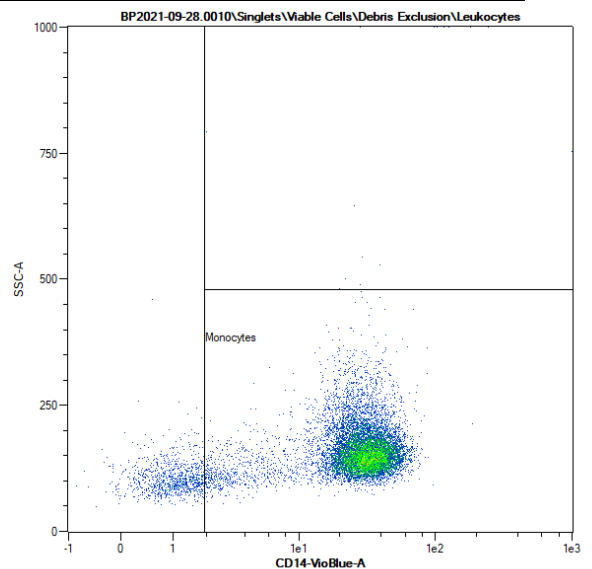
**Purification Method**

NEGATIVE SELECTION: AutoMACS Pro, Miltenyi Pan Monocyte Isolation Kit

**Cell Frequency**

Population	Phenotype	Frequency % among leukocytes	Count / $\mu$ L
Singlets			78.20
Viable Cells	7-AAD-		77.89
Debris Exclusion	7-AAD-		77.89
Leukocytes	7-AAD-CD45+		68.67
Monocytes	7-AAD-CD45+ CD14+	91.80	63.04
- Non-Classical	7-AAD-CD45+ CD14+ CD16+	4.13	2.84
- Intermediate	7-AAD-CD45+ CD14++ CD16+	2.35	1.62
- Classical	7-AAD-CD45+ CD14++ CD16-	84.95	58.33
B Cells	7-AAD-CD45+ CD14- CD19+	0.08	0.05
Eosinophils	7-AAD-CD45+ CD14- CD19- SSC hi CD16-	0.00	0.00
Neutrophils	7-AAD-CD45+ CD14- CD19- SSC hi CD16+	0.03	0.02
NK Cells	7-AAD-CD45+ CD14- CD19- SSC lo CD3- CD56+	6.89	4.73
CD3+ T Cells	7-AAD-CD45+ CD14- CD19- SSC lo CD3+	0.14	0.09
- NKT Cells	7-AAD-CD45+ CD14- CD19- SSC lo CD3+ CD56+	0.02	0.01
- CD8+ T Cells	7-AAD-CD45+ CD14- CD19- SSC lo CD3+ CD4- CD8+	0.03	0.02
- CD4+ T Cells	7-AAD-CD45+ CD14- CD19- SSC lo CD3+ CD4+ CD8-	0.08	0.05

**Flow Analysis**



**Microscopic Observations**

no apparent RBCs, some smaller cells

**FREEZING MEDIA**

**FREEZING METHOD**

**EXPECTED RECOVERY** 50–75%