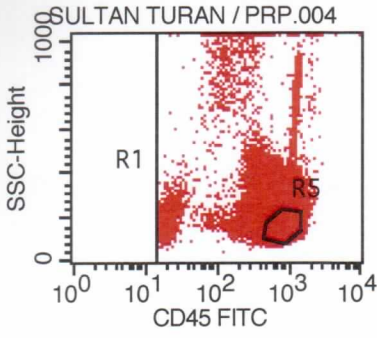


MEDİPOL MEGA HASTANELER KOMPLEKSİ KOK HÜCRE LABORATUVARI

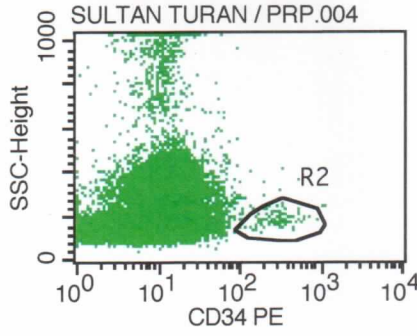
No gate

G1
(Viable CD45)

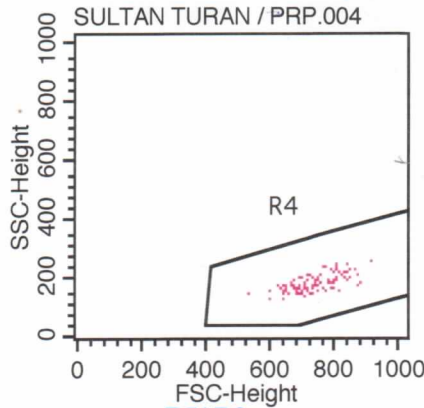
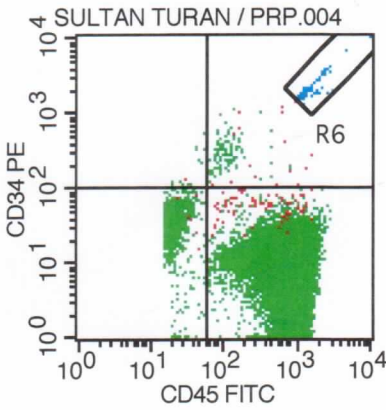
Enter These Values



R2*G1

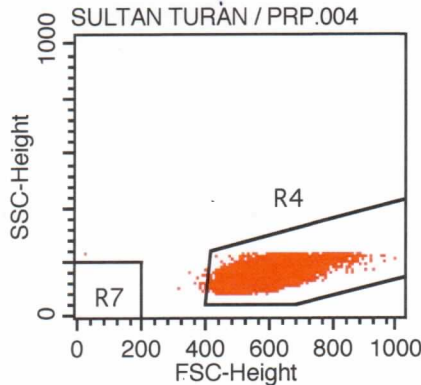
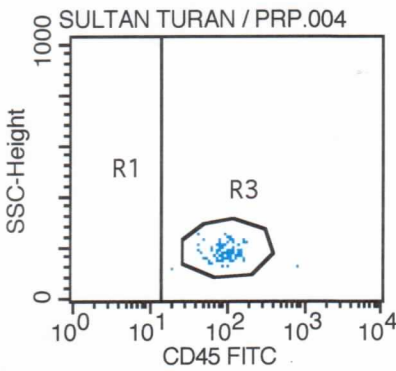


R3*G2



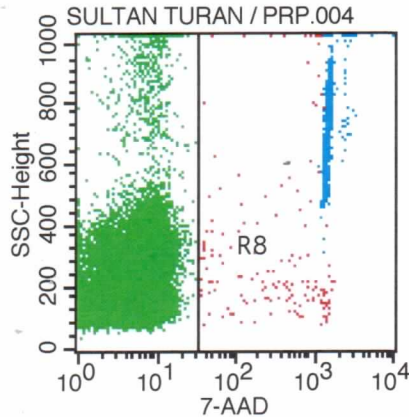
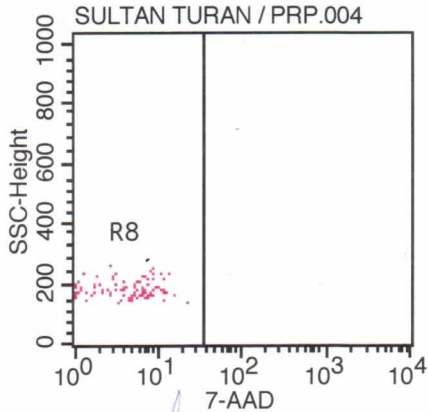
R5*R8
(Viable lymphs)

No gate



Viable cells

R1*R2*R3



Truocount = 53850.00

Dilution Factor = 1.00

Sample Volume = 100.00 uL

File: SULTAN TURAN / PRP.004
Sample ID:
Patient ID: SULTAN TURAN / PRP
Truocount: 53850
Dilution Factor: 1
Sample Volume: 100
Acquisition Date: 07-Apr-15
Total Events: 75712

Gate	Events	% Gated
Viable CD45	73592	97.20
G2	102	0.13
G3	100	0.13
Viable CD34	100	0.13
Beads	1952	2.58
Total CD34	100	0.13
Viable Lymphs	57070	75.38
Total CD45	73760	97.42
Debris	0	0.00

Inspect Alls Dotplots

Viable CD34 = 27.59 /uL

Viable CD45 = 20301.89 /uL

Total CD34 = 27.59 /uL

CD34 Viability = 100.00 %

Viable CD34 of Viable CD45 =
0.14 %

Medipol Mega Hastaneler Kompleksi
Bio. Abdulkadir ŞİMŞEK
Terapötik Aferез Merkezi
Kök Hücre Lab. Biyoloğu

MEDİPOL MEGA HASTANELER KOMPLEKSİ
Dr. Dr. Hülya BİLGEN
Terapötik Aferез Merkezi Doktoru
Transfüzyon Merkezi Uzmanı
Dip. No. 47614
SGK Tesis Kodu. 11349940

DR. HÜLYA BİLGEN

Counting Results of CD34 and CD45 of YCell Bio PRP Kit



Patient : 50 years old

Material Analyzed : 0,5cc Pure PRP (Buffy Coat)

Used PRP Kit : Ycellbio PRP Kit

Results:

Viability : 100% (Counting based on tripan blue marker)

CD34 : 27.59ul

CD45: 20301.59 ul

Viable CD34 of Viable CD45 = %0.14

CD34 is a specific protein defined in hematopoetic stem cells, whereas CD45 is the marker for al other blood cells like lykocytes, red blood cells which do not include any hematopoetic stem cells.

Under normal conditions, there are 0.03%- 0.05% of hematopoetic stem cells in periferic blood. In the study, 15cc of blood is processed with Ycellbio PRP kit. At the end of PRP process, 0.5cc of pure prp is extracted. Counting is carried out with pure buffy coat. According to the counting result, 3 to 5 times more hematopoetic stem cell is achievable with 10 to 15 times higher platelet concentration.