

Tube Name: Unstain TE 1-1

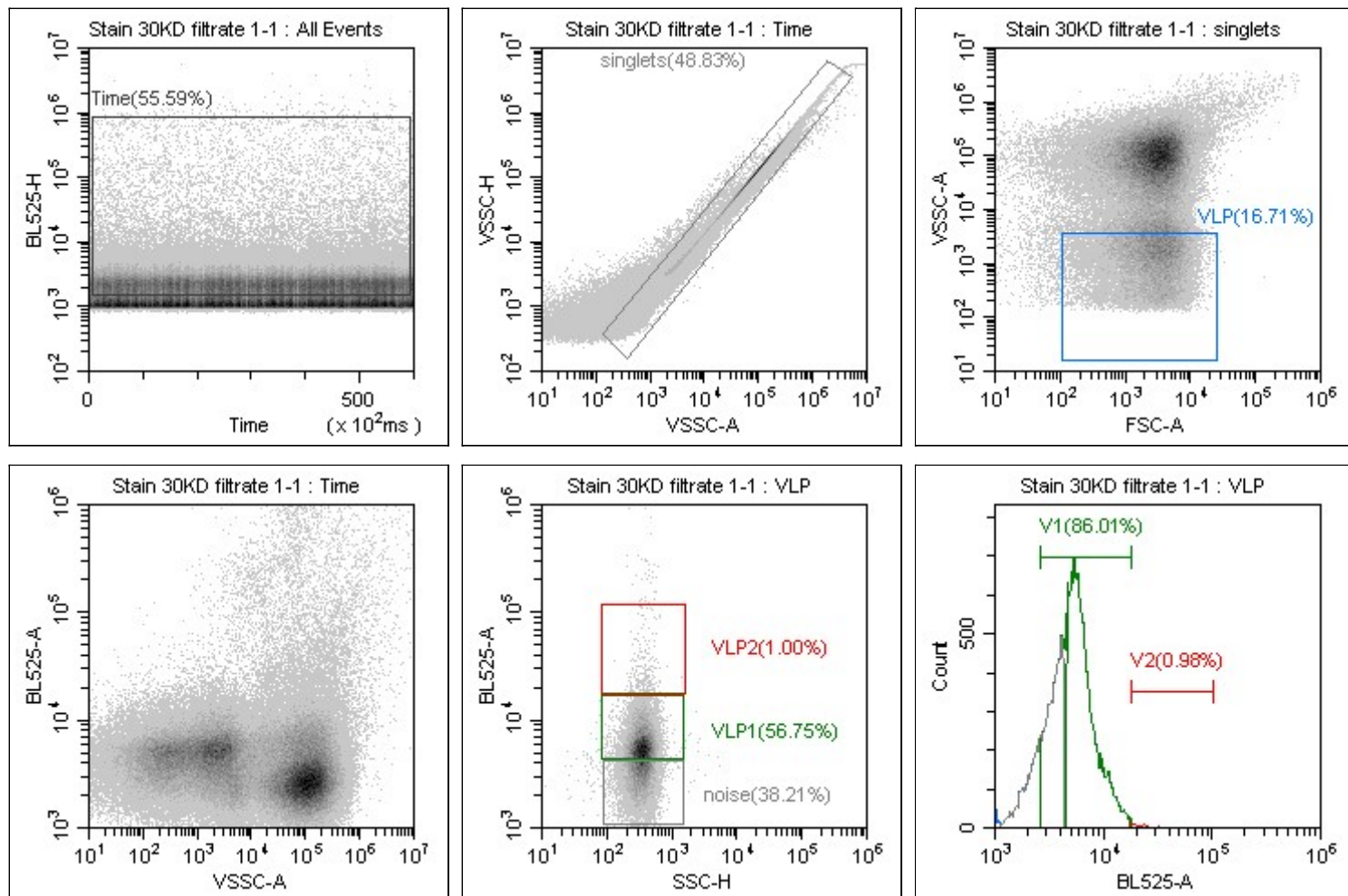
Record Time: 2020-08-12 14:40:01

Volume( $\mu$ L): 60.0

Virus ( $\times 10^6$  particles/mL) = : 0.00

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/ $\mu$ L(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 4724   | 78.73              | 100.00%  | 100.0... | 9496.8       | 174774.8    | 10125.1    | 9601.6     |
| Time       | 633    | 10.85              | 13.40%   | 13.40%   | 36188.2      | 902099.2    | 52504.6    | 44525.3    |
| singlets   | 506    | 8.43               | 79.94%   | 10.71%   | 36351.8      | 405149.2    | 19488.0    | 23726.9    |
| VLP        | 18     | 0.30               | 3.56%    | 0.38%    | 41720.5      | 994.7       | 3.5        | 2188.5     |
| VLP1       | 3      | 0.05               | 16.67%   | 0.06%    | 9807.0       | 1307.3      | 65.4       | 1800.2     |
| VLP2       | 0      | 0.00               | 0.00%    | 0.00%    | ####         | ####        | ####       | ####       |
| V1         | 8      | 0.13               | 44.44%   | 0.17%    | 5671.2       | 757.5       | 76.6       | 3171.0     |
| V2         | 0      | 0.00               | 0.00%    | 0.00%    | ####         | ####        | ####       | ####       |
| noise      | 13     | 0.22               | 72.22%   | 0.28%    | 2646.5       | 699.9       | 25.7       | 2040.5     |



Tube Name: Stain 30KD filtrate 1-1

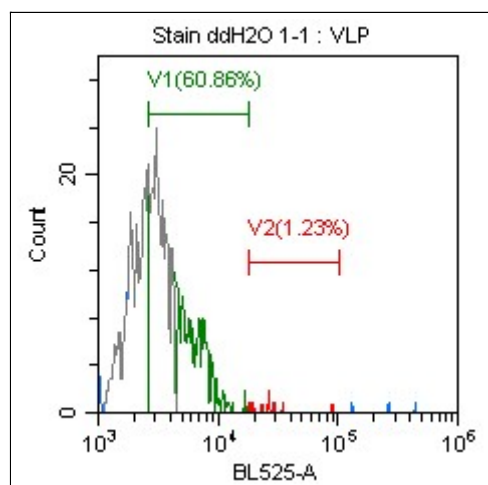
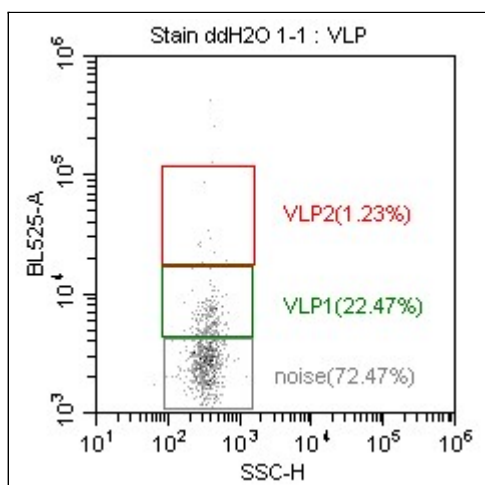
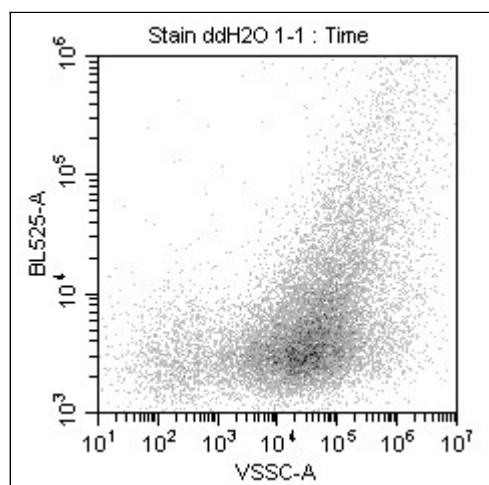
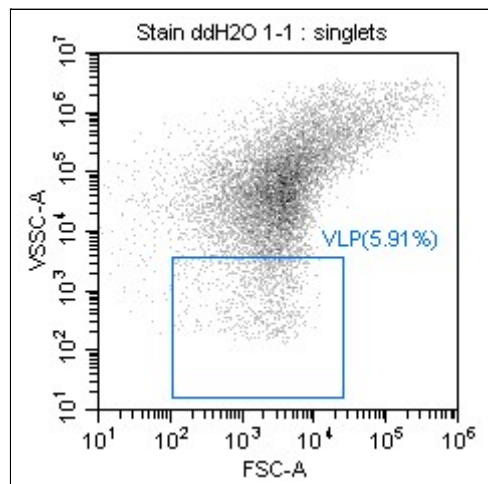
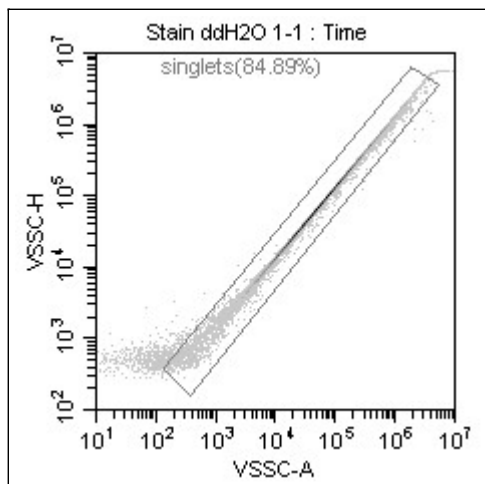
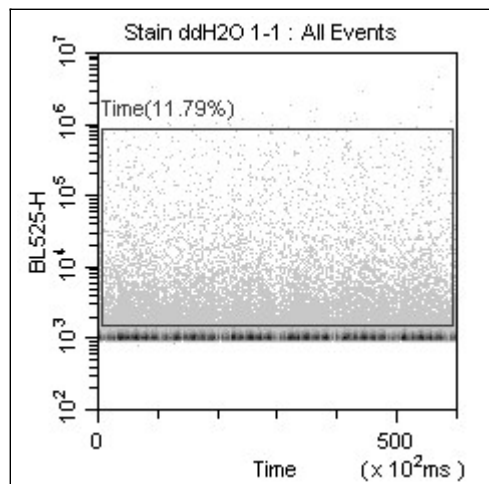
Record Time: 2020-08-12 15:09:32

Volume(μL): 60.0

Virus (x 10<sup>6</sup> particles/mL) = : 4.24

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/μL(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 560496 | 9341.57      | 100.00%  | 100.0... | 6221.4       | 34137.7     | 1238.5     | 726.2      |
| Time       | 311600 | 5341.69      | 55.59%   | 55.59%   | 8483.7       | 41706.4     | 1553.8     | 1071.4     |
| singlets   | 152146 | 2535.76      | 48.83%   | 27.14%   | 11675.6      | 78038.4     | 2918.3     | 1266.1     |
| VLP        | 25425  | 423.75       | 16.71%   | 4.54%    | 6044.4       | 1481.2      | -41.3      | 3228.2     |
| VLP1       | 14429  | 240.48       | 56.75%   | 2.57%    | 6955.3       | 1502.4      | -46.1      | 3661.3     |
| VLP2       | 254    | 4.23         | 1.00%    | 0.05%    | 31955.7      | 1702.7      | -27.7      | 4784.5     |
| V1         | 21867  | 364.45       | 86.01%   | 3.90%    | 5833.0       | 1465.1      | -44.0      | 3355.2     |
| V2         | 248    | 4.13         | 0.98%    | 0.04%    | 30031.5      | 1697.8      | -33.1      | 4721.8     |
| noise      | 9716   | 161.93       | 38.21%   | 1.73%    | 3053.8       | 1439.6      | -31.0      | 2576.7     |



Tube Name: Stain ddH2O 1-1

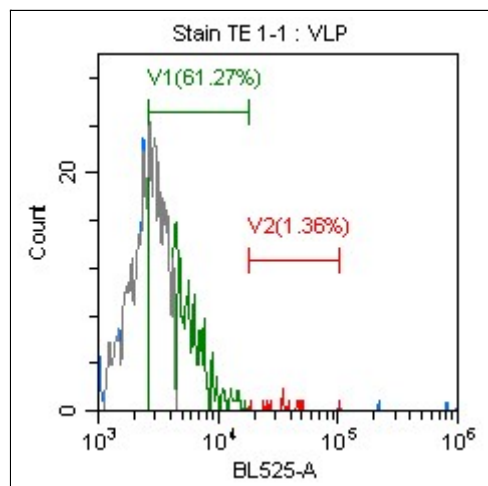
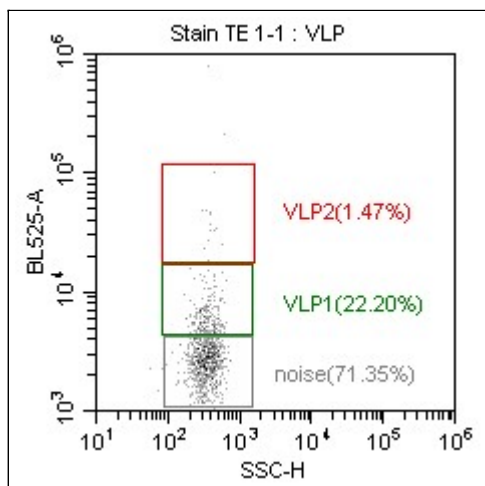
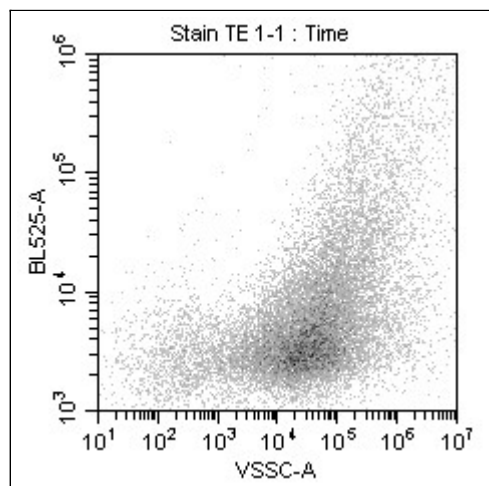
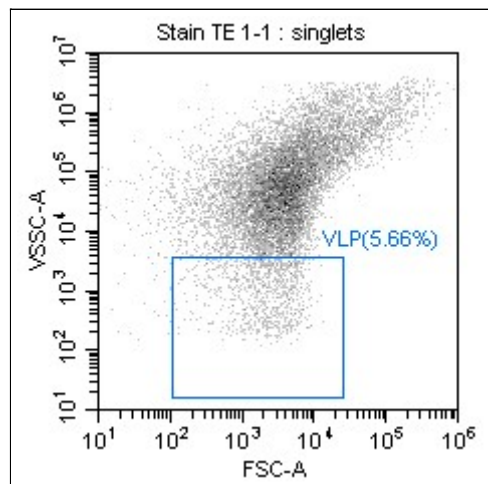
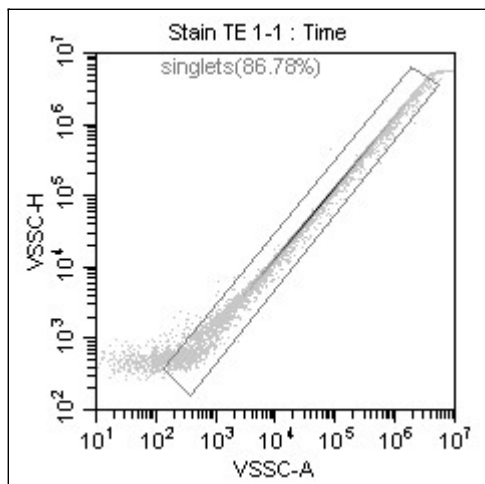
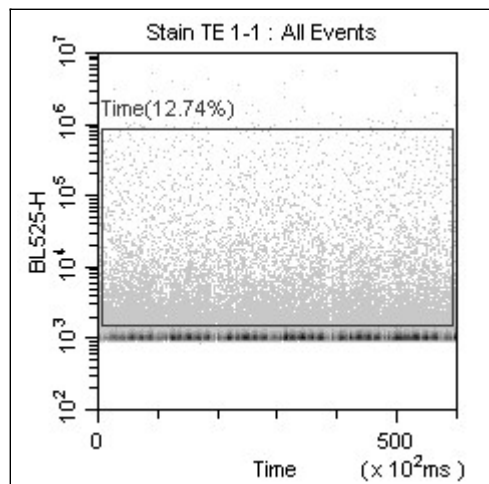
Record Time: 2020-08-12 15:13:49

Volume( $\mu$ L): 60.0

Virus ( $\times 10^6$  particles/mL) = : 0.14

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/ $\mu$ L(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 136987 | 2283.12            | 100.00%  | 100.0... | 4988.3       | 28750.4     | 1635.2     | 1050.5     |
| Time       | 16150  | 276.86             | 11.79%   | 11.79%   | 25644.4      | 195680.5    | 10554.2    | 7188.5     |
| singlets   | 13709  | 228.48             | 84.89%   | 10.01%   | 25978.5      | 156427.8    | 8351.8     | 6211.4     |
| VLP        | 810    | 13.50              | 5.91%    | 0.59%    | 4931.1       | 1583.7      | 89.5       | 2519.2     |
| VLP1       | 182    | 3.03               | 22.47%   | 0.13%    | 6731.3       | 1646.1      | 110.4      | 3248.8     |
| VLP2       | 10     | 0.17               | 1.23%    | 0.01%    | 31219.4      | 1511.7      | 170.3      | 3847.1     |
| V1         | 493    | 8.22               | 60.86%   | 0.36%    | 4604.5       | 1727.6      | 104.4      | 2827.6     |
| V2         | 10     | 0.17               | 1.23%    | 0.01%    | 31219.4      | 1511.7      | 170.3      | 3847.1     |
| noise      | 587    | 9.78               | 72.47%   | 0.43%    | 2650.9       | 1571.4      | 82.4       | 2270.4     |



Tube Name: Stain TE 1-1

Record Time: 2020-08-12 15:16:28

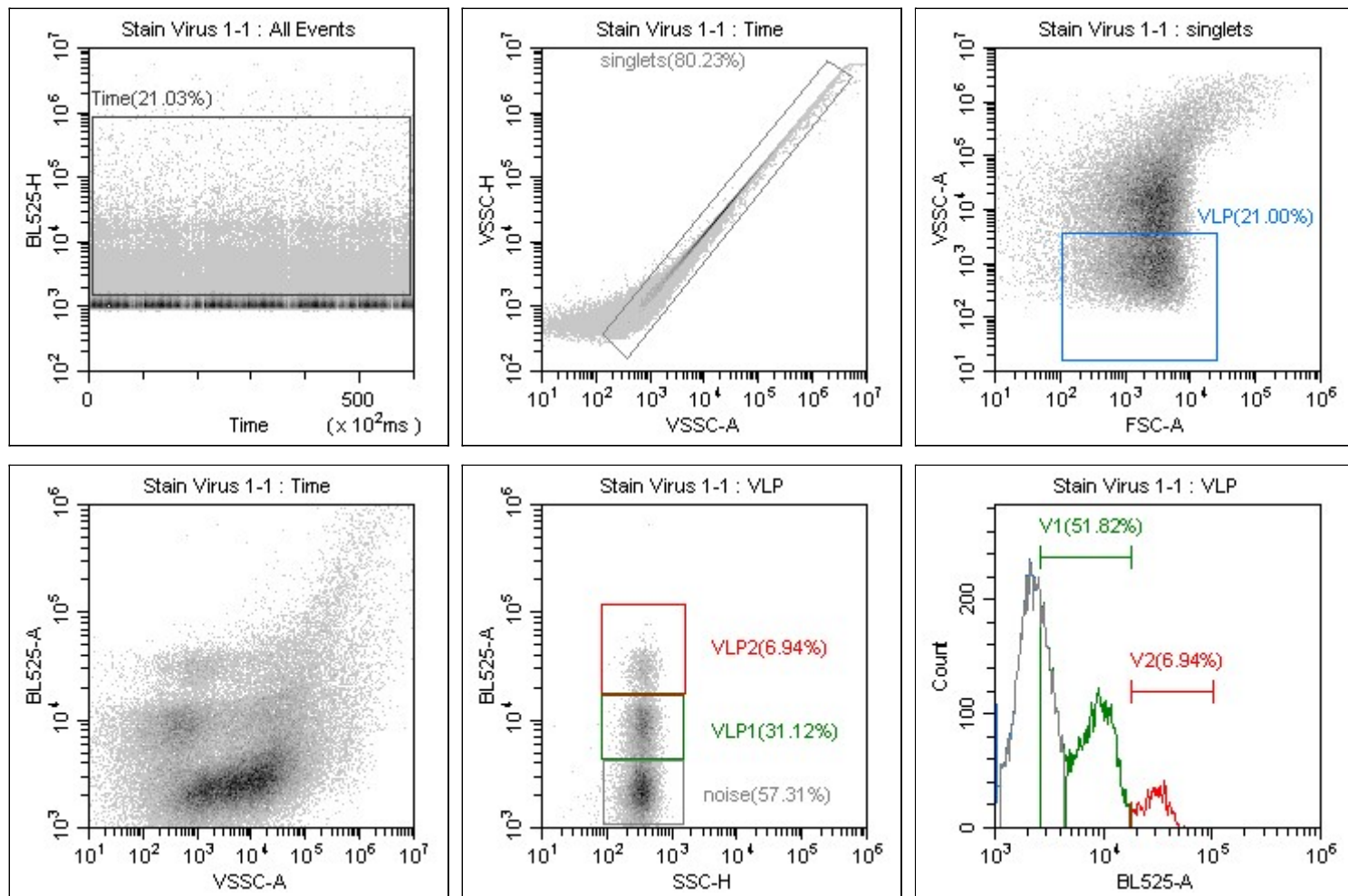
Volume(μL): 60.0

Virus (x 10<sup>6</sup> particles/mL) = : 0.15

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/μL(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 141131 | 2352.22      | 100.00%  | 100.0... | 6740.6       | 42306.8     | 2541.8     | 1706.4     |
| Time       | 17974  | 308.13       | 12.74%   | 12.74%   | 29763.3      | 244821.2    | 12973.7    | 9378.5     |
| singlets   | 15597  | 259.95       | 86.78%   | 11.05%   | 28951.5      | 165898.0    | 8830.4     | 7298.3     |
| VLP        | 883    | 14.72        | 5.66%    | 0.63%    | 6794.0       | 1517.9      | 64.2       | 2692.1     |
| VLP1       | 196    | 3.27         | 22.20%   | 0.14%    | 6764.9       | 1484.5      | 58.8       | 3393.8     |
| VLP2       | 13     | 0.22         | 1.47%    | 0.01%    | 40465.1      | 917.6       | 60.5       | 4710.6     |
| V1         | 541    | 9.02         | 61.27%   | 0.38%    | 4595.7       | 1630.7      | 76.2       | 2938.0     |
| V2         | 12     | 0.20         | 1.36%    | 0.01%    | 35361.2      | 898.6       | 50.0       | 4502.6     |
| noise      | 630    | 10.50        | 71.35%   | 0.45%    | 2649.3       | 1543.3      | 66.0       | 2461.4     |





Tube Name: Stain Virus 1-1

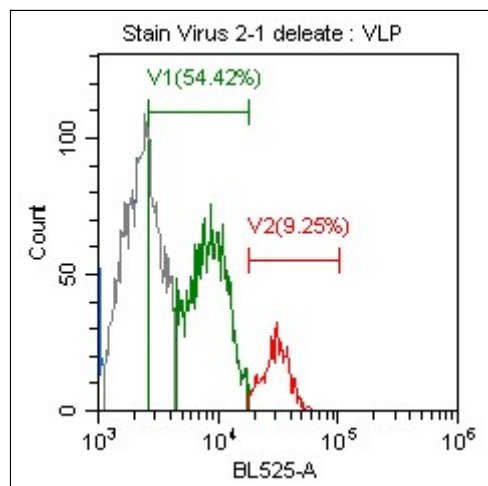
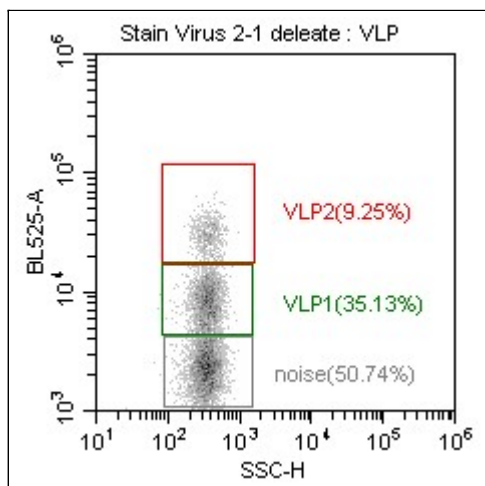
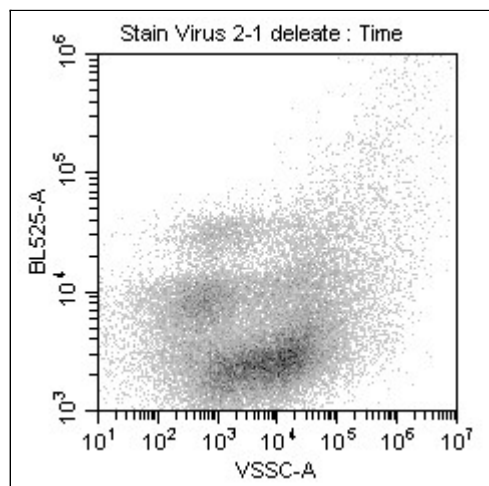
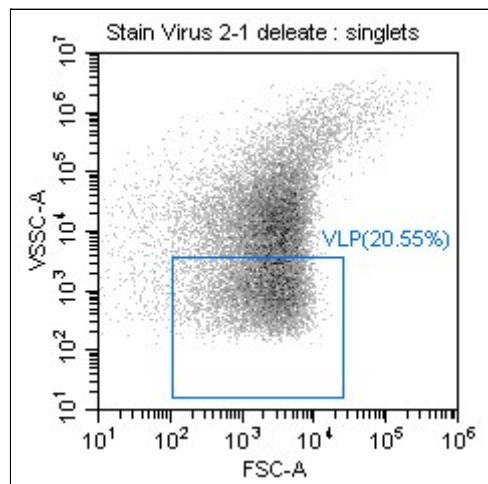
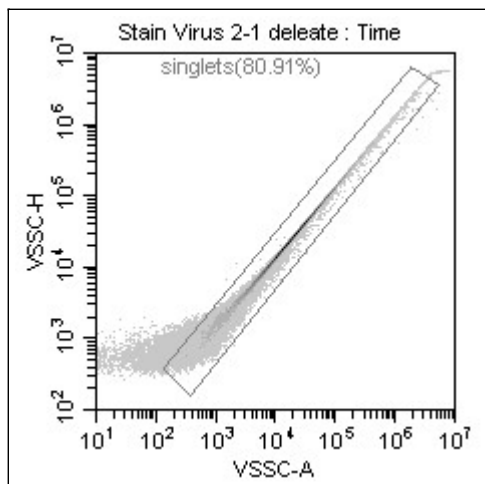
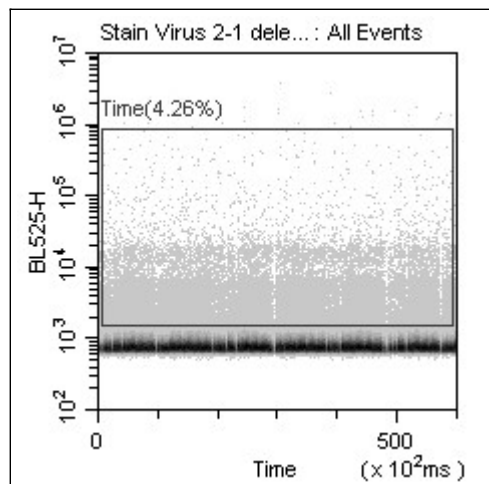
Record Time: 2020-08-12 15:19:19

Volume( $\mu$ L): 60.0

Virus (x 10<sup>6</sup> particles/mL) = : 2.05

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/ $\mu$ L(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 347631 | 5793.85            | 100.00%  | 100.0... | 4731.0       | 14626.5     | 694.9      | 320.8      |
| Time       | 73105  | 1253.23            | 21.03%   | 21.03%   | 12313.7      | 48284.2     | 2423.1     | 1123.2     |
| singlets   | 58649  | 977.48             | 80.23%   | 16.87%   | 12636.6      | 47245.4     | 2344.9     | 1033.4     |
| VLP        | 12315  | 205.25             | 21.00%   | 3.54%    | 6473.1       | 1329.0      | 38.7       | 2625.1     |
| VLP1       | 3832   | 63.87              | 31.12%   | 1.10%    | 9058.2       | 1038.1      | 23.6       | 3041.6     |
| VLP2       | 855    | 14.25              | 6.94%    | 0.25%    | 30701.1      | 1372.5      | 17.7       | 3318.8     |
| V1         | 6382   | 106.37             | 51.82%   | 1.84%    | 6806.8       | 1246.9      | 40.0       | 2839.5     |
| V2         | 855    | 14.25              | 6.94%    | 0.25%    | 30701.1      | 1372.5      | 17.7       | 3318.8     |
| noise      | 7058   | 117.63             | 57.31%   | 2.03%    | 2382.9       | 1495.9      | 54.9       | 2351.0     |



Tube Name: Stain Virus 2-1 delete

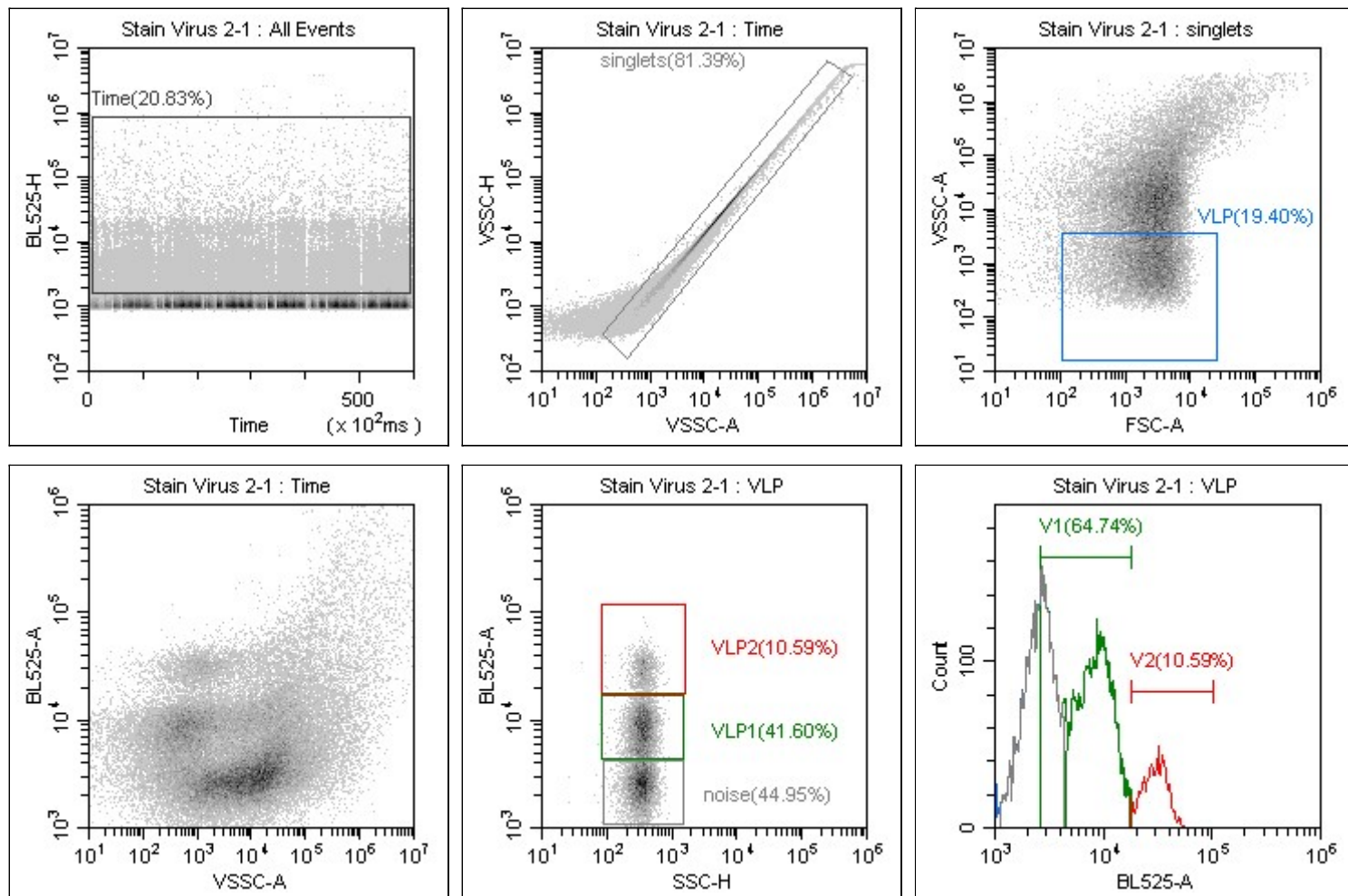
Record Time: 2020-08-12 15:21:38

Volume( $\mu$ L): 60.0

Virus ( $\times 10^6$  particles/mL) = : 1.06

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/ $\mu$ L(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 893692 | 14894.76           | 100.00%  | 100.0... | 984.8        | 2816.5      | 148.6      | 55.1       |
| Time       | 38101  | 653.16             | 4.26%    | 4.26%    | 11249.7      | 50259.4     | 2579.2     | 1197.0     |
| singlets   | 30826  | 513.76             | 80.91%   | 3.45%    | 11481.0      | 47313.4     | 2389.6     | 986.5      |
| VLP        | 6336   | 105.60             | 20.55%   | 0.71%    | 7295.1       | 1381.4      | 33.5       | 2746.0     |
| VLP1       | 2226   | 37.10              | 35.13%   | 0.25%    | 8788.1       | 1116.6      | 20.6       | 3012.0     |
| VLP2       | 586    | 9.77               | 9.25%    | 0.07%    | 31219.6      | 1452.1      | 24.7       | 3352.1     |
| V1         | 3448   | 57.47              | 54.42%   | 0.39%    | 6891.4       | 1279.1      | 29.3       | 2887.4     |
| V2         | 586    | 9.77               | 9.25%    | 0.07%    | 31219.6      | 1452.1      | 24.7       | 3352.1     |
| noise      | 3215   | 53.58              | 50.74%   | 0.36%    | 2411.4       | 1568.5      | 45.3       | 2500.8     |



Tube Name: Stain Virus 2-1

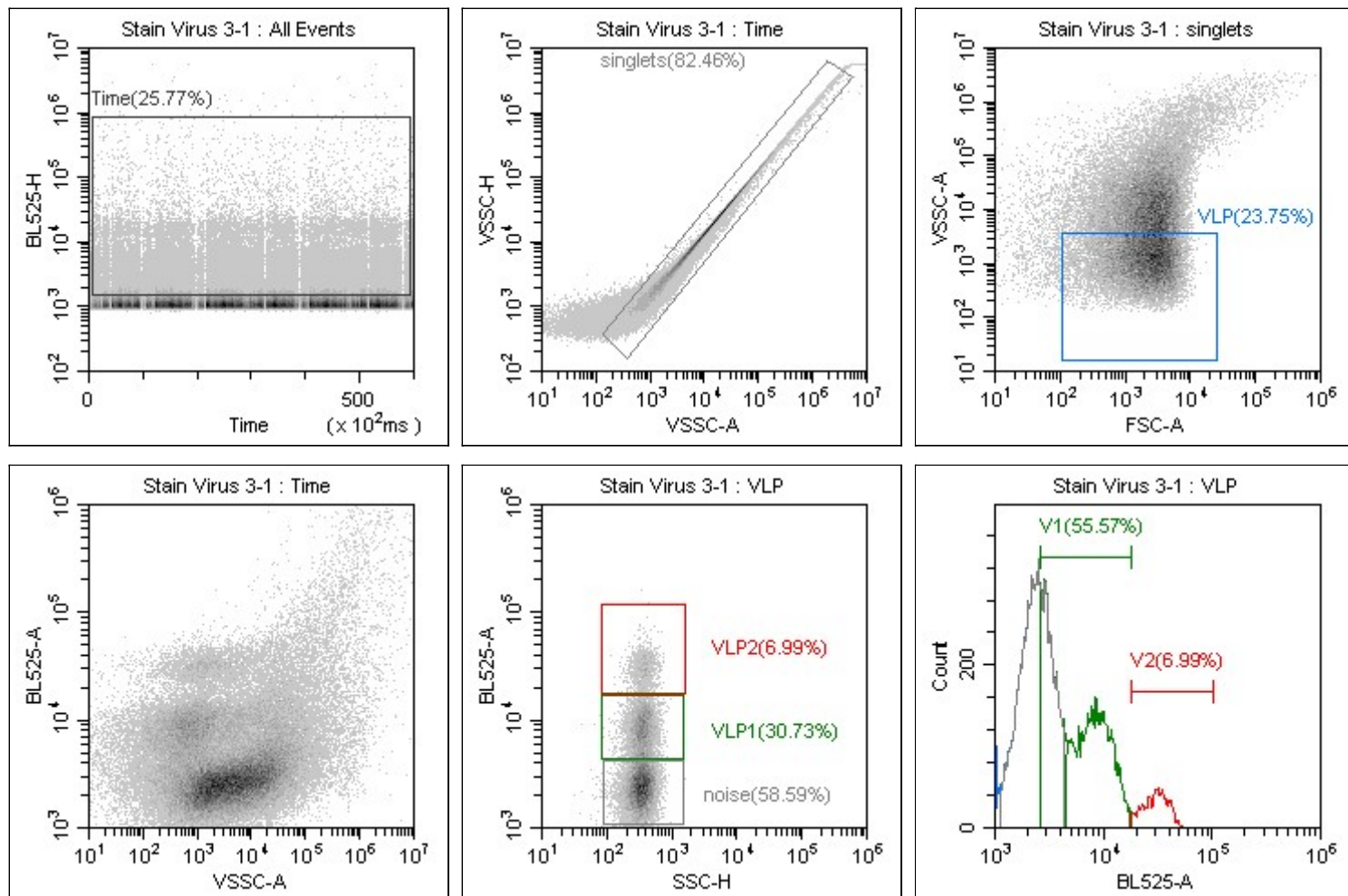
Record Time: 2020-08-12 15:23:28

Volume( $\mu$ L): 60.0

Virus (x 10<sup>6</sup> particles/mL) = : 1.55

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/ $\mu$ L(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 283475 | 4724.57            | 100.00%  | 100.0... | 4255.7       | 20845.3     | 1138.9     | 590.4      |
| Time       | 59055  | 1012.37            | 20.83%   | 20.83%   | 13391.0      | 83884.8     | 4441.4     | 2299.9     |
| singlets   | 48065  | 801.08             | 81.39%   | 16.96%   | 13229.5      | 62546.0     | 3125.1     | 1498.5     |
| VLP        | 9324   | 155.40             | 19.40%   | 3.29%    | 8232.7       | 1363.8      | 29.3       | 2662.7     |
| VLP1       | 3879   | 64.65              | 41.60%   | 1.37%    | 8880.8       | 1114.7      | 14.9       | 2865.8     |
| VLP2       | 987    | 16.45              | 10.59%   | 0.35%    | 30687.6      | 1396.6      | 16.7       | 3210.1     |
| V1         | 6036   | 100.60             | 64.74%   | 2.13%    | 6952.9       | 1268.6      | 24.3       | 2749.2     |
| V2         | 987    | 16.45              | 10.59%   | 0.35%    | 30704.4      | 1394.1      | 14.0       | 3211.1     |
| noise      | 4191   | 69.85              | 44.95%   | 1.48%    | 2607.8       | 1588.5      | 49.5       | 2353.9     |



Tube Name: Stain Virus 3-1

Record Time: 2020-08-12 15:26:52

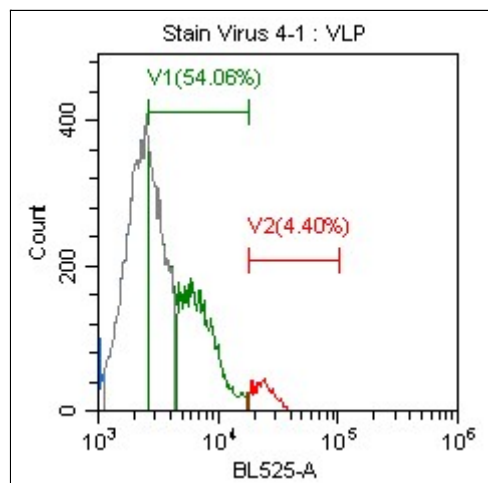
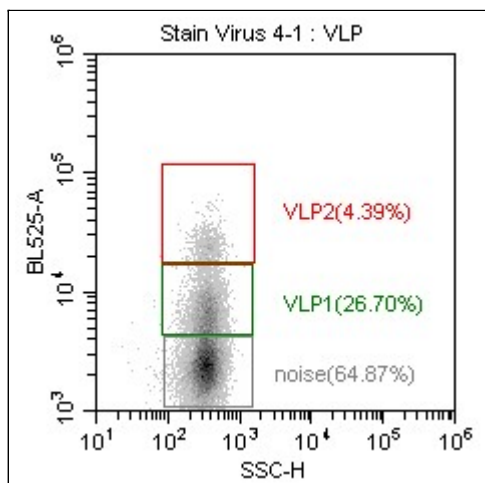
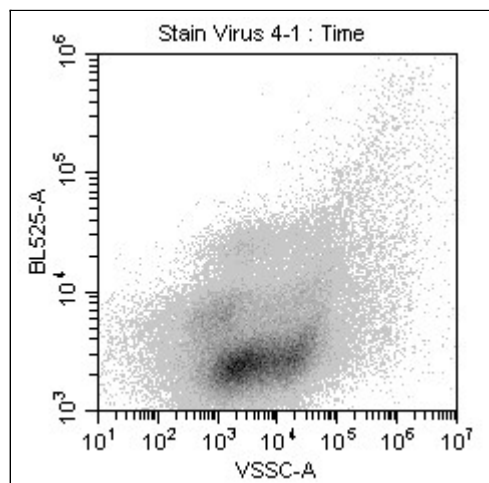
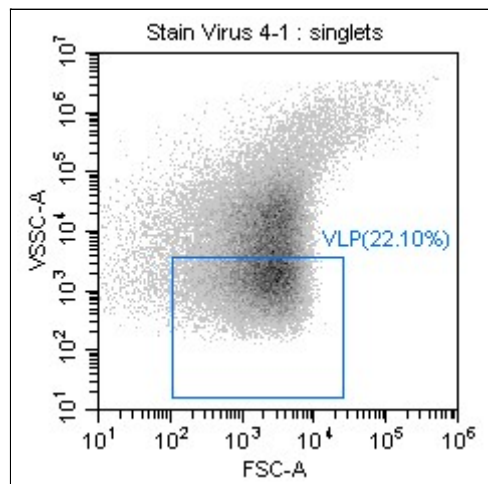
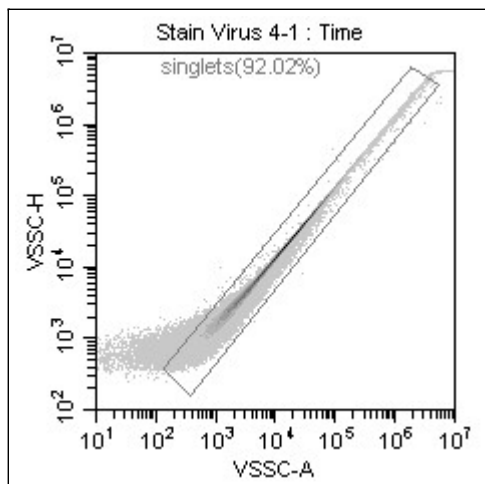
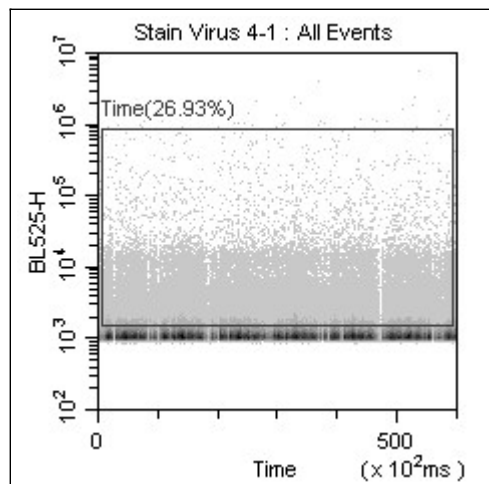
Volume( $\mu$ L): 60.0

Virus (x 10<sup>6</sup> particles/mL) = : 2.83

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/ $\mu$ L(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 336121 | 5602.02            | 100.00%  | 100.0... | 4211.8       | 14339.7     | 797.1      | 389.9      |
| Time       | 86627  | 1485.03            | 25.77%   | 25.77%   | 10454.5      | 42757.1     | 2196.6     | 1123.0     |
| singlets   | 71432  | 1190.53            | 82.46%   | 21.25%   | 10558.3      | 36031.3     | 1802.2     | 820.9      |
| VLP        | 16966  | 282.77             | 23.75%   | 5.05%    | 6448.0       | 1451.5      | 37.0       | 2426.9     |
| VLP1       | 5213   | 86.88              | 30.73%   | 1.55%    | 8735.9       | 1200.2      | 20.9       | 2697.2     |
| VLP2       | 1186   | 19.77              | 6.99%    | 0.35%    | 31448.6      | 1514.8      | 39.3       | 3004.9     |
| V1         | 9428   | 157.13             | 55.57%   | 2.80%    | 6343.4       | 1399.3      | 37.6       | 2545.0     |
| V2         | 1186   | 19.77              | 6.99%    | 0.35%    | 31448.6      | 1514.8      | 39.3       | 3004.9     |
| noise      | 9940   | 165.67             | 58.59%   | 2.96%    | 2489.7       | 1583.5      | 49.6       | 2237.4     |





Tube Name: Stain Virus 4-1

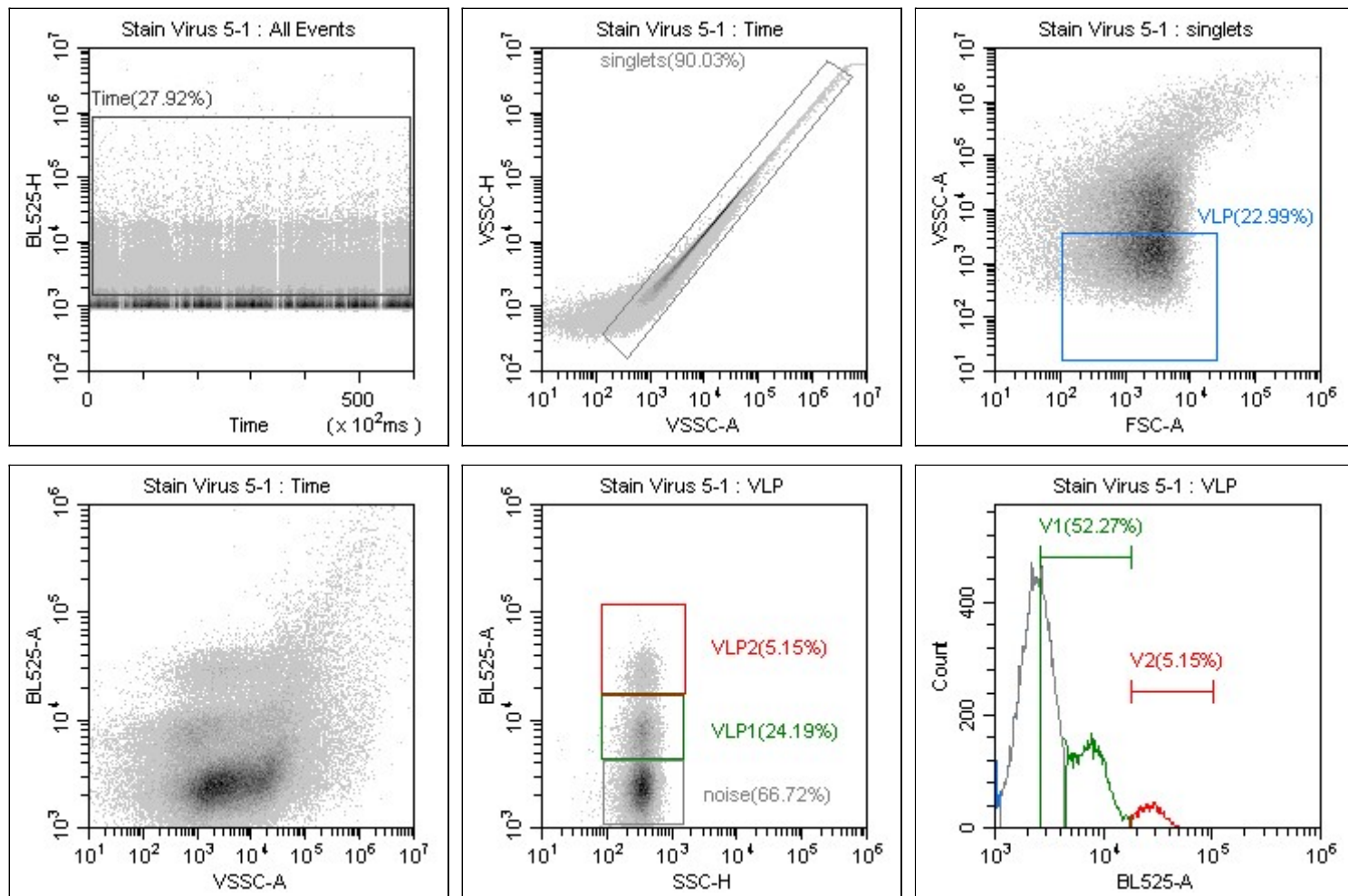
Record Time: 2020-08-12 15:30:45

Volume( $\mu$ L): 60.0

Virus ( $\times 10^6$  particles/mL) = : 3.09

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/ $\mu$ L(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 338078 | 5634.62            | 100.00%  | 100.0... | 3547.2       | 15389.0     | 805.3      | 388.1      |
| Time       | 91057  | 1560.97            | 26.93%   | 26.93%   | 8474.6       | 44445.0     | 2256.3     | 1126.7     |
| singlets   | 83790  | 1396.50            | 92.02%   | 24.78%   | 8322.0       | 33468.4     | 1688.1     | 727.4      |
| VLP        | 18519  | 308.65             | 22.10%   | 5.48%    | 4847.2       | 1653.1      | 39.2       | 2366.9     |
| VLP1       | 4944   | 82.40              | 26.70%   | 1.46%    | 7529.1       | 1473.0      | 32.1       | 2627.6     |
| VLP2       | 813    | 13.55              | 4.39%    | 0.24%    | 25480.2      | 2146.6      | 61.5       | 2924.5     |
| V1         | 10012  | 166.87             | 54.06%   | 2.96%    | 5433.2       | 1609.0      | 42.5       | 2490.1     |
| V2         | 814    | 13.57              | 4.40%    | 0.24%    | 25473.6      | 2145.5      | 60.3       | 2924.4     |
| noise      | 12014  | 200.23             | 64.87%   | 3.55%    | 2498.6       | 1705.9      | 44.6       | 2235.4     |



Tube Name: Stain Virus 5-1

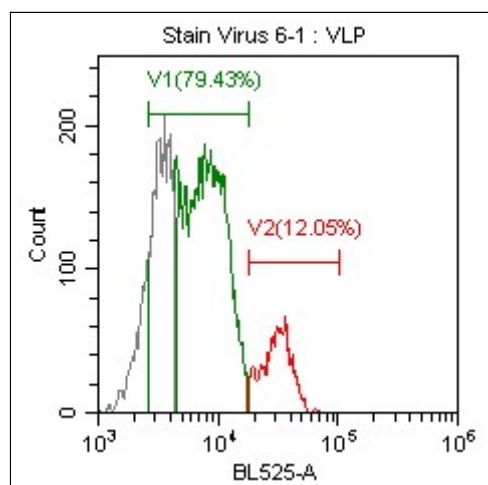
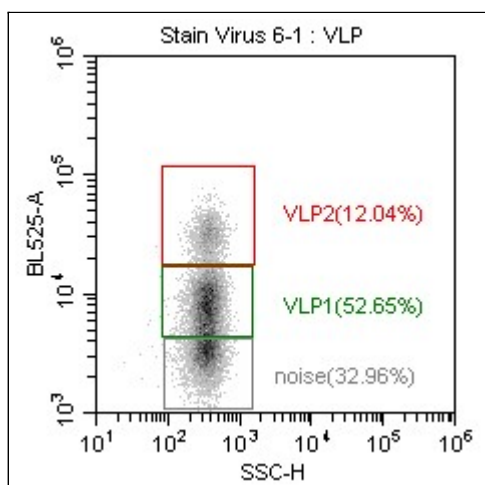
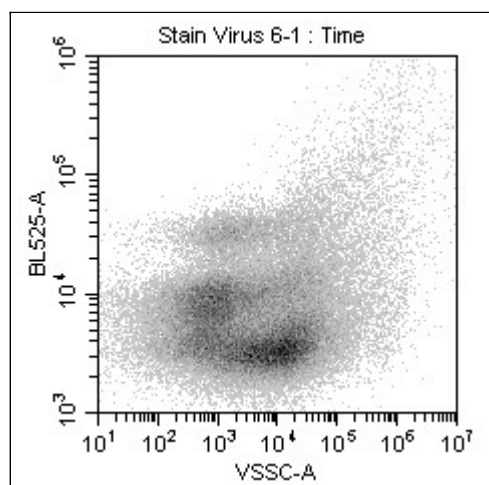
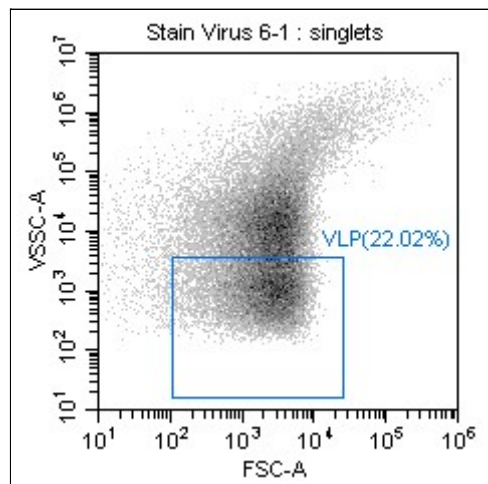
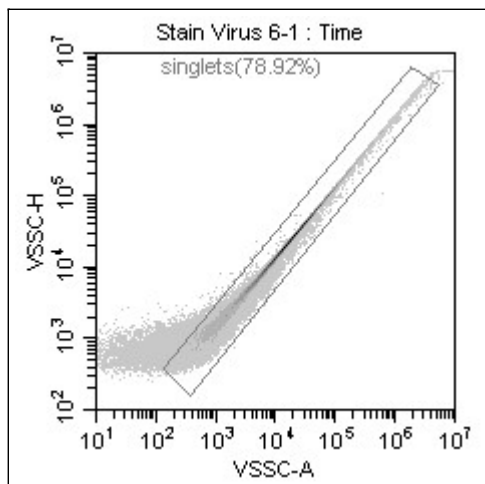
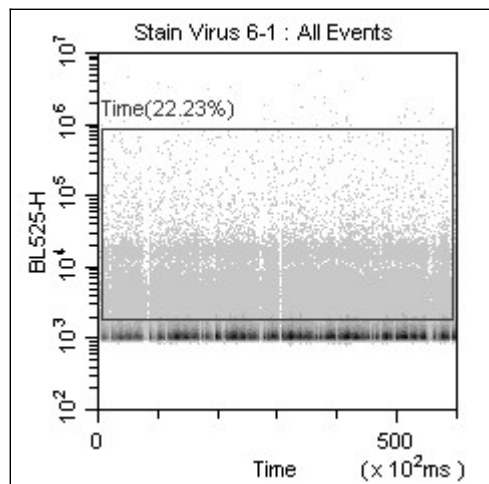
Record Time: 2020-08-12 15:32:44

Volume( $\mu$ L): 60.0

Virus (x 10<sup>6</sup> particles/mL) = : 3.49

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/ $\mu$ L(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 361819 | 6030.30            | 100.00%  | 100.0... | 3648.9       | 12336.3     | 661.0      | 299.2      |
| Time       | 101037 | 1732.06            | 27.92%   | 27.92%   | 8468.6       | 34046.6     | 1744.7     | 775.3      |
| singlets   | 90962  | 1516.03            | 90.03%   | 25.14%   | 8486.0       | 29320.6     | 1465.3     | 567.6      |
| VLP        | 20913  | 348.55             | 22.99%   | 5.78%    | 5155.7       | 1621.6      | 38.8       | 2387.9     |
| VLP1       | 5059   | 84.32              | 24.19%   | 1.40%    | 7998.5       | 1414.5      | 25.4       | 2684.7     |
| VLP2       | 1078   | 17.97              | 5.15%    | 0.30%    | 28558.6      | 1885.2      | 26.9       | 3044.2     |
| V1         | 10931  | 182.18             | 52.27%   | 3.02%    | 5490.3       | 1602.1      | 43.4       | 2518.2     |
| V2         | 1077   | 17.95              | 5.15%    | 0.30%    | 28568.6      | 1886.5      | 27.1       | 3043.8     |
| noise      | 13954  | 232.57             | 66.72%   | 3.86%    | 2483.5       | 1687.3      | 48.3       | 2250.6     |



Tube Name: Stain Virus 6-1

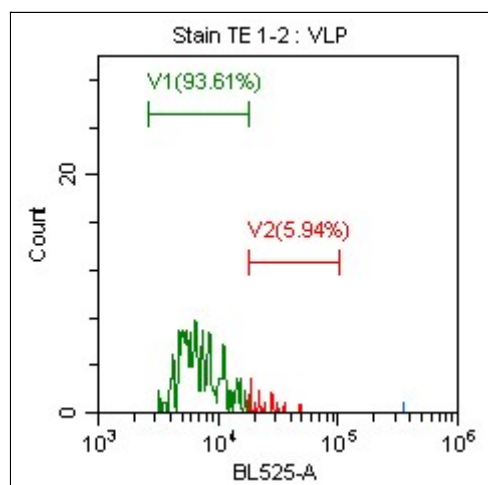
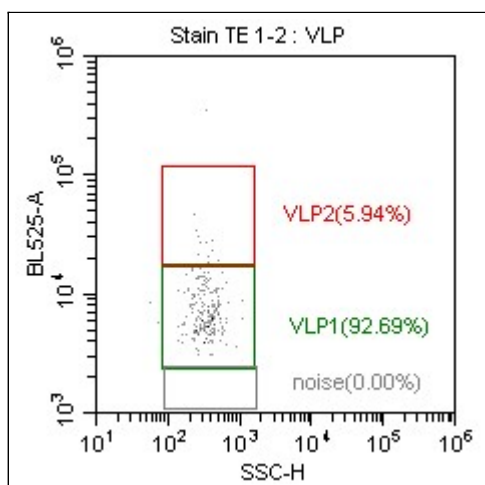
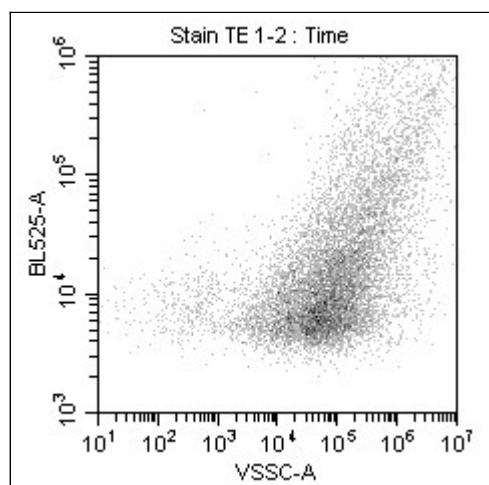
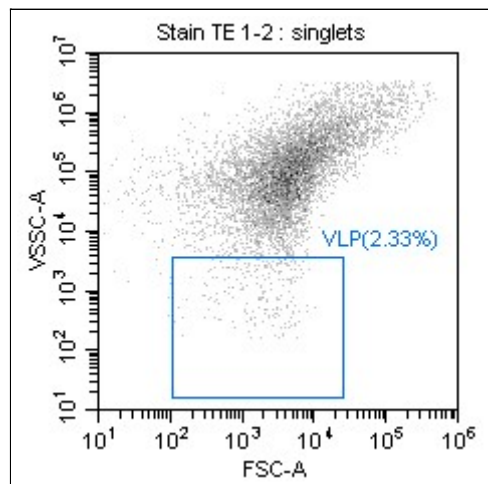
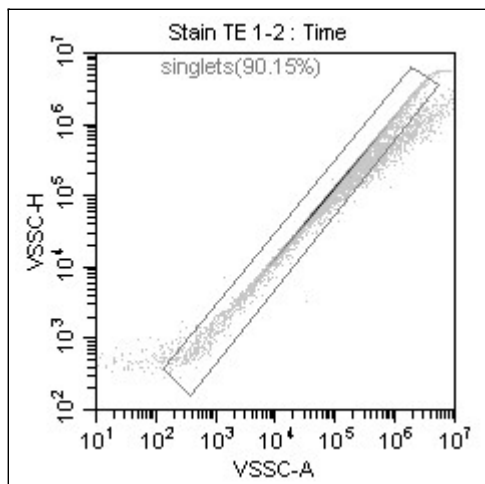
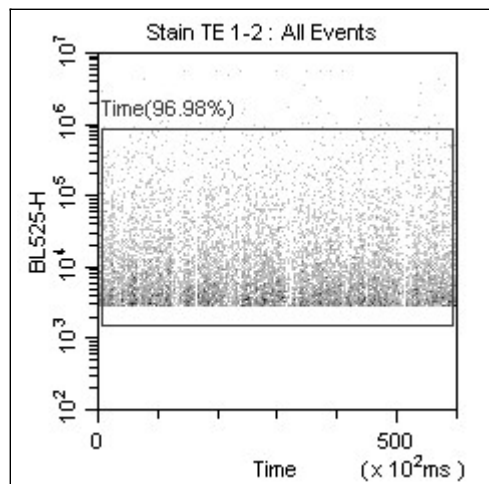
Record Time: 2020-08-12 15:35:14

Volume( $\mu$ L): 60.0

Virus ( $\times 10^6$  particles/mL) = : 2.10

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/ $\mu$ L(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 326901 | 5448.36            | 100.00%  | 100.0... | 4642.3       | 13964.0     | 763.4      | 386.5      |
| Time       | 72660  | 1245.60            | 22.23%   | 22.23%   | 13513.5      | 47187.5     | 2651.1     | 1347.4     |
| singlets   | 57343  | 955.72             | 78.92%   | 17.54%   | 14348.7      | 40827.0     | 2065.4     | 922.8      |
| VLP        | 12628  | 210.47             | 22.02%   | 3.86%    | 9471.7       | 1399.1      | 33.3       | 2650.8     |
| VLP1       | 6649   | 110.82             | 52.65%   | 2.03%    | 8547.9       | 1271.3      | 27.6       | 2702.9     |
| VLP2       | 1521   | 25.35              | 12.04%   | 0.47%    | 31741.9      | 1589.0      | 25.3       | 3145.7     |
| V1         | 10031  | 167.18             | 79.43%   | 3.07%    | 6879.8       | 1343.4      | 34.1       | 2615.5     |
| V2         | 1522   | 25.37              | 12.05%   | 0.47%    | 31737.9      | 1589.7      | 24.5       | 3145.9     |
| noise      | 4162   | 69.37              | 32.96%   | 1.27%    | 3111.8       | 1539.4      | 48.1       | 2409.9     |



Tube Name: Stain TE 1-2

Record Time: 2020-08-12 15:40:18

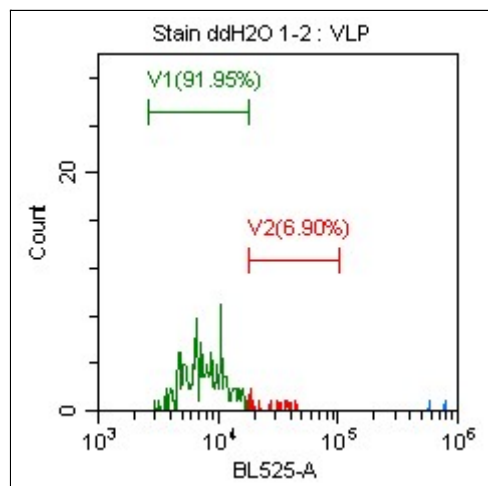
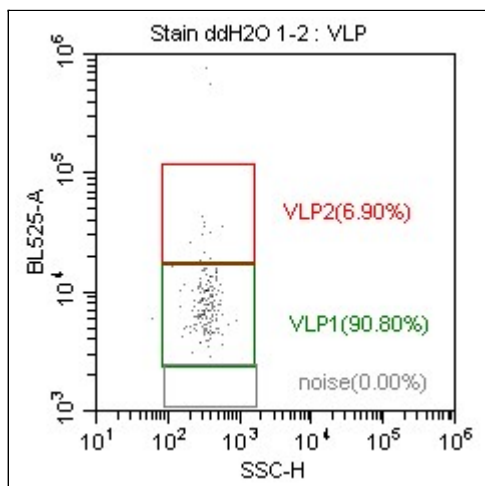
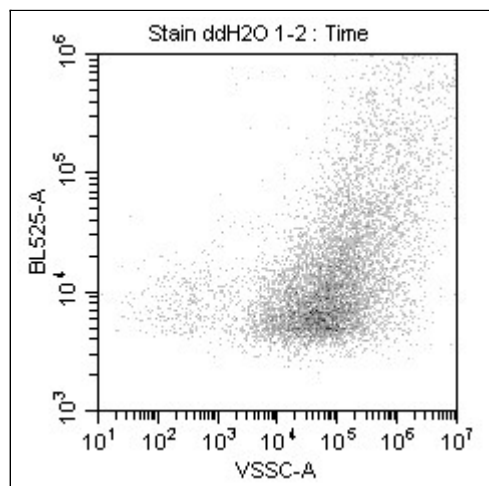
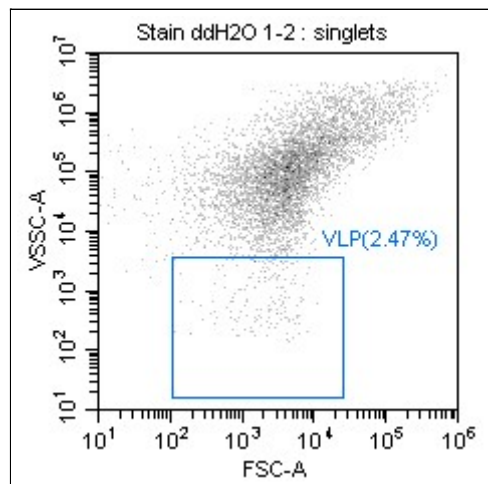
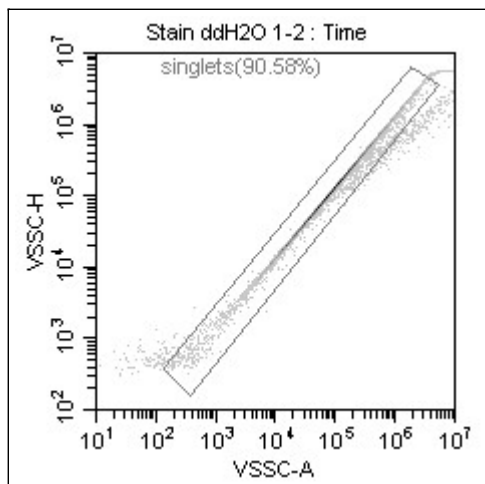
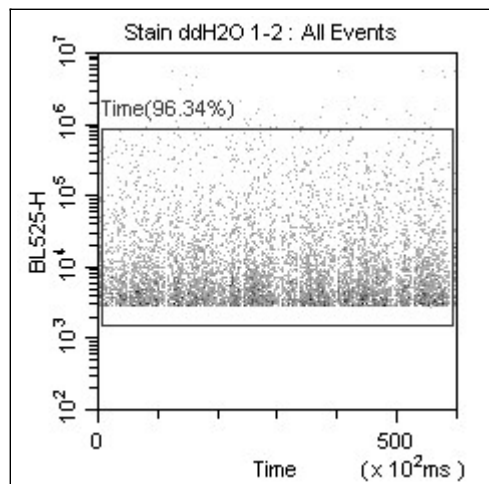
Volume( $\mu$ L): 60.0

Virus ( $\times 10^6$  particles/mL) = : 0.04

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/ $\mu$ L(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 10770  | 179.57             | 100.00%  | 100.0... | 97549.7      | 488932.4    | 22385.8    | 18387.4    |
| Time       | 10445  | 179.06             | 96.98%   | 96.98%   | 65092.1      | 449007.4    | 19485.4    | 13816.3    |
| singlets   | 9416   | 157.00             | 90.15%   | 87.43%   | 45307.9      | 221410.4    | 10920.7    | 8918.6     |
| VLP        | 219    | 3.65               | 2.33%    | 2.03%    | 10133.2      | 1543.7      | 61.0       | 2420.3     |
| VLP1       | 203    | 3.38               | 92.69%   | 1.88%    | 7477.4       | 1565.4      | 72.7       | 2348.3     |
| VLP2       | 13     | 0.22               | 5.94%    | 0.12%    | 26120.0      | 1346.7      | 13.0       | 3476.5     |
| V1         | 205    | 3.42               | 93.61%   | 1.90%    | 7475.1       | 1560.8      | 64.6       | 2339.3     |
| V2         | 13     | 0.22               | 5.94%    | 0.12%    | 26120.0      | 1346.7      | 13.0       | 3476.5     |
| noise      | 0      | 0.00               | 0.00%    | 0.00%    | ####         | ####        | ####       | ####       |





Tube Name: Stain ddH2O 1-2

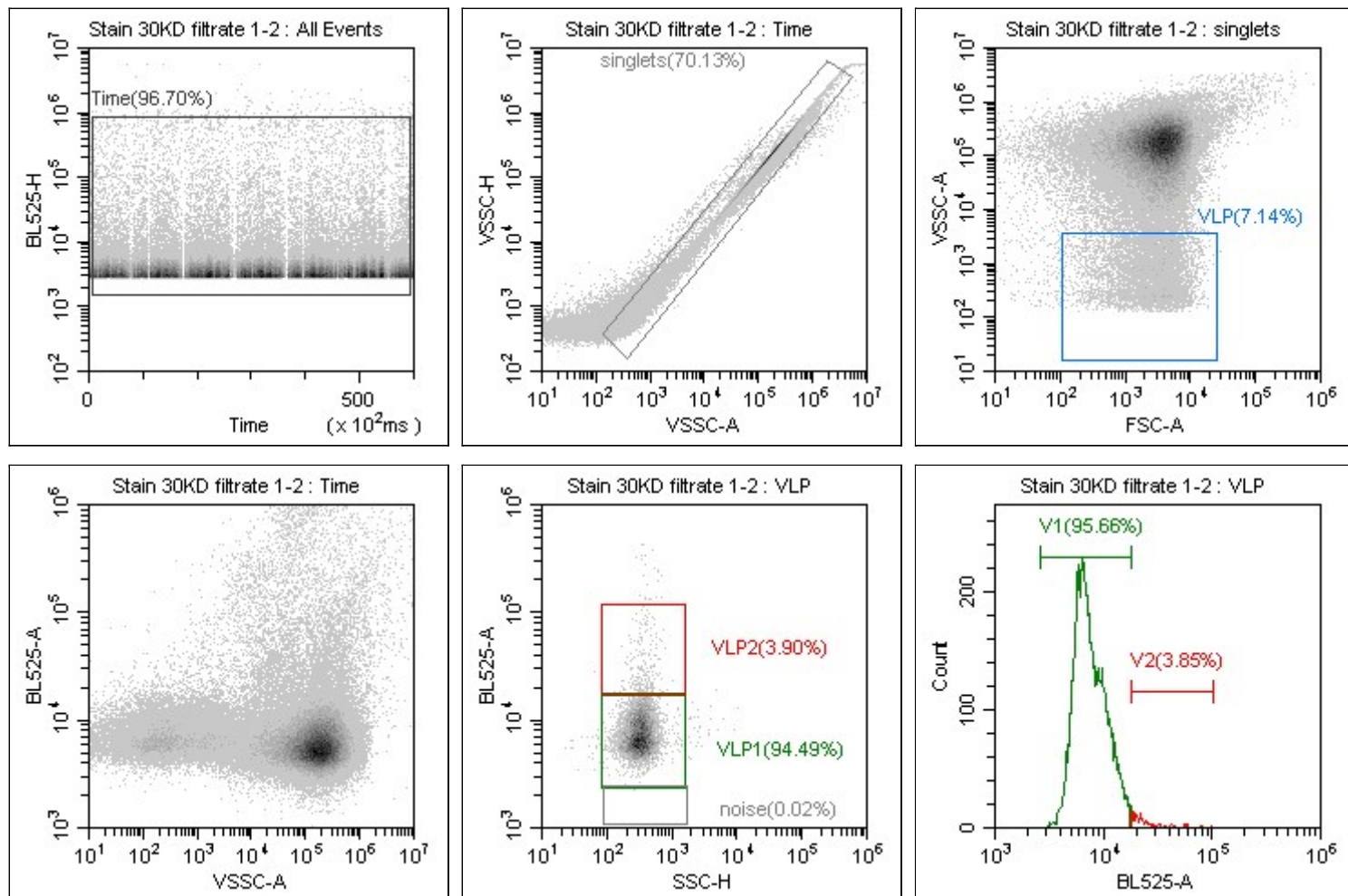
Record Time: 2020-08-12 15:42:10

Volume( $\mu$ L): 60.0

Virus ( $\times 10^6$  particles/mL) = : 0.03

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/ $\mu$ L(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 8088   | 134.80             | 100.00%  | 100.0... | 91394.8      | 537643.7    | 24659.1    | 20560.6    |
| Time       | 7792   | 133.58             | 96.34%   | 96.34%   | 55816.7      | 487511.2    | 21582.5    | 15487.2    |
| singlets   | 7058   | 117.63             | 90.58%   | 87.27%   | 46541.3      | 237655.1    | 12152.5    | 10149.5    |
| VLP        | 174    | 2.90               | 2.47%    | 2.15%    | 17227.1      | 1362.3      | 48.8       | 2550.7     |
| VLP1       | 158    | 2.63               | 90.80%   | 1.95%    | 8215.8       | 1368.1      | 61.9       | 2538.0     |
| VLP2       | 12     | 0.20               | 6.90%    | 0.15%    | 28557.1      | 1398.3      | -72.1      | 3217.1     |
| V1         | 160    | 2.67               | 91.95%   | 1.98%    | 8260.8       | 1353.7      | 57.0       | 2513.9     |
| V2         | 12     | 0.20               | 6.90%    | 0.15%    | 28557.1      | 1398.3      | -72.1      | 3217.1     |
| noise      | 0      | 0.00               | 0.00%    | 0.00%    | ####         | ####        | ####       | ####       |



Tube Name: Stain 30KD filtrate 1-2

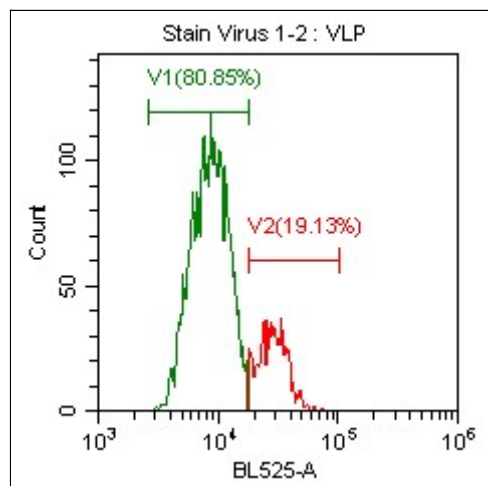
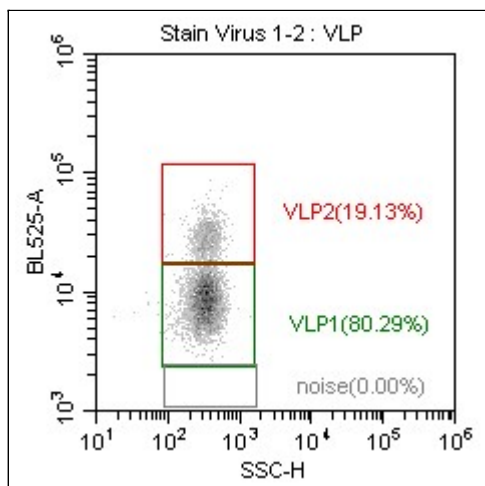
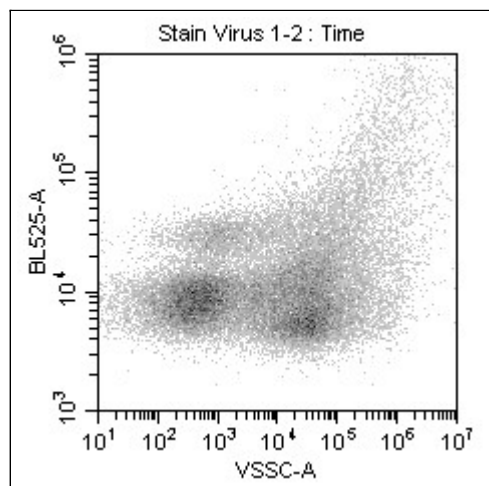
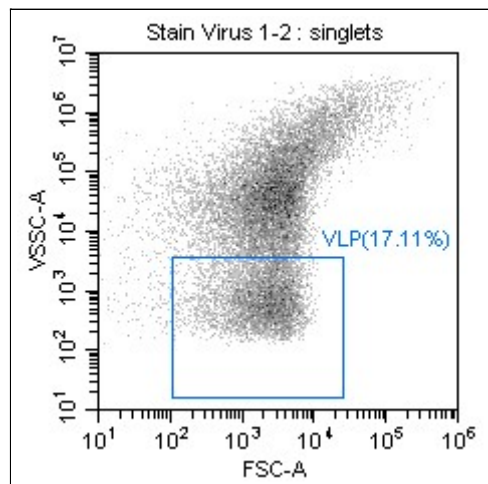
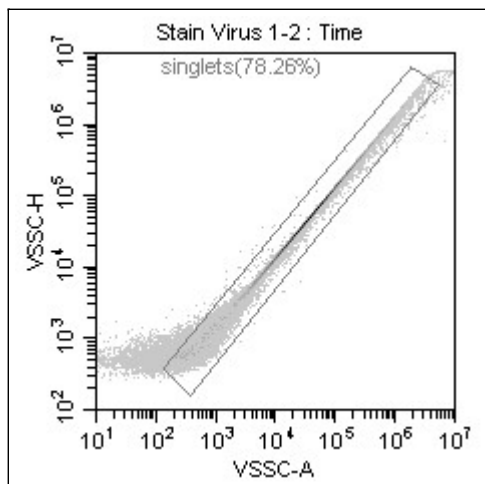
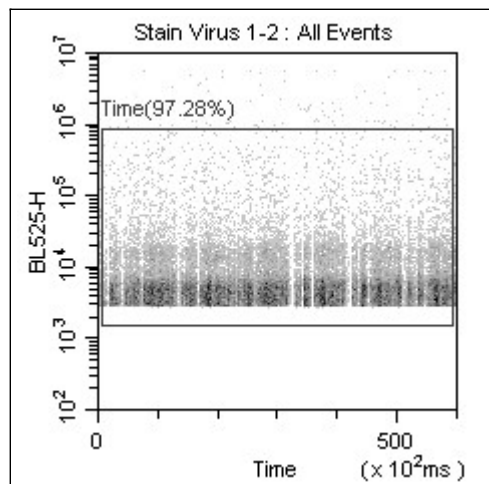
Record Time: 2020-08-12 15:44:09

Volume( $\mu$ L): 60.0

Virus ( $\times 10^6$  particles/mL) = : 1.05

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/ $\mu$ L(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 130407 | 2173.45            | 100.00%  | 100.0... | 21904.0      | 130884.6    | 5079.9     | 2503.2     |
| Time       | 126101 | 2161.73            | 96.70%   | 96.70%   | 17110.1      | 127607.5    | 4868.0     | 2239.5     |
| singlets   | 88434  | 1473.90            | 70.13%   | 67.81%   | 20177.7      | 168775.4    | 6348.8     | 2427.5     |
| VLP        | 6313   | 105.22             | 7.14%    | 4.84%    | 9935.3       | 1101.4      | -1.7       | 3227.4     |
| VLP1       | 5965   | 99.42              | 94.49%   | 4.57%    | 7909.0       | 1075.0      | -8.6       | 3128.1     |
| VLP2       | 246    | 4.10               | 3.90%    | 0.19%    | 36402.5      | 1531.1      | 14.9       | 5440.2     |
| V1         | 6039   | 100.65             | 95.66%   | 4.63%    | 7937.2       | 1077.5      | -3.0       | 3127.7     |
| V2         | 243    | 4.05               | 3.85%    | 0.19%    | 34708.5      | 1524.6      | 20.4       | 5367.4     |
| noise      | 1      | 0.02               | 0.02%    | 0.00%    | 2314.5       | 566.8       | 86.8       | 2447.4     |



Tube Name: Stain Virus 1-2

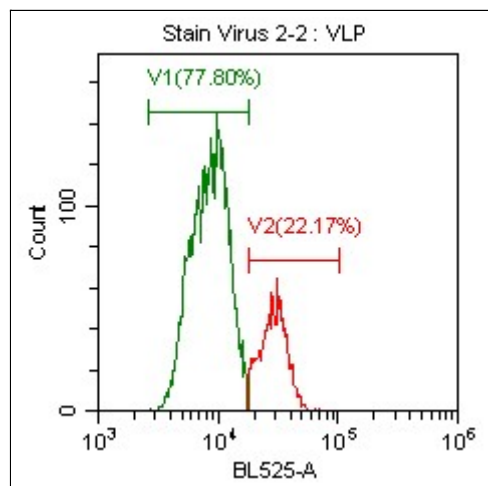
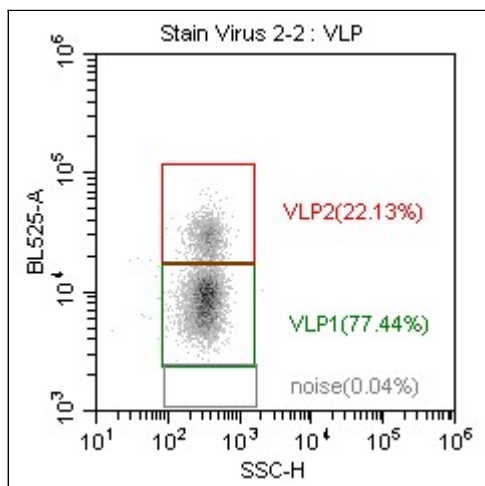
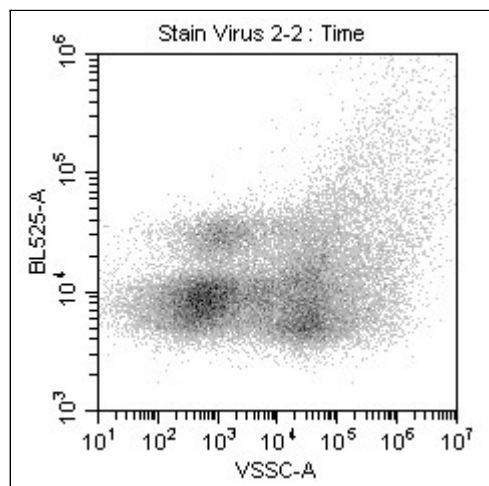
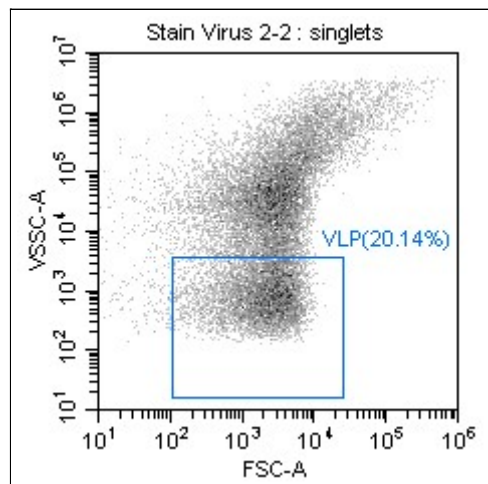
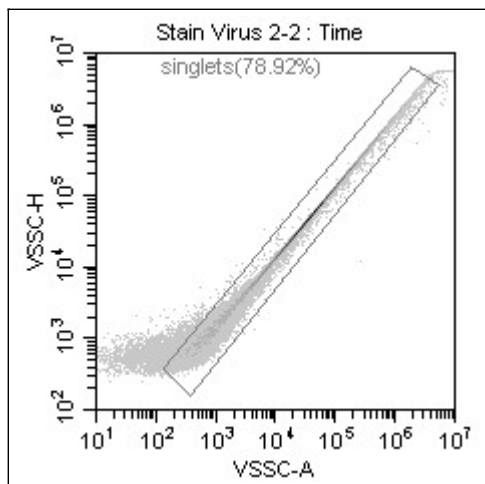
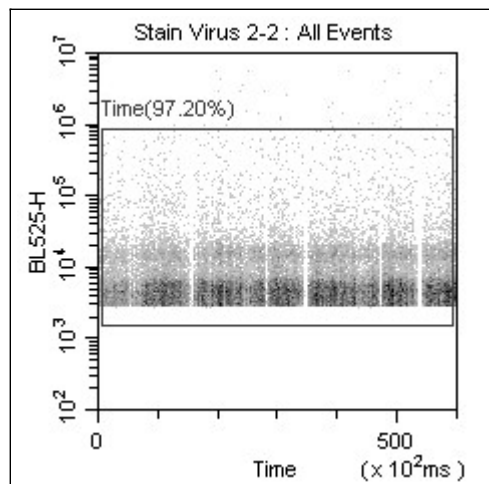
Record Time: 2020-08-12 15:46:05

Volume( $\mu$ L): 60.0

Virus ( $\times 10^6$  particles/mL) = : 0.75

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/ $\mu$ L(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 34437  | 573.98             | 100.00%  | 100.0... | 45333.2      | 179172.3    | 11605.5    | 6971.0     |
| Time       | 33499  | 574.27             | 97.28%   | 97.28%   | 25299.9      | 133270.5    | 9004.5     | 4760.9     |
| singlets   | 26215  | 436.94             | 78.26%   | 76.12%   | 25892.8      | 99628.8     | 5009.6     | 2442.2     |
| VLP        | 4486   | 74.77              | 17.11%   | 13.03%   | 13132.8      | 1067.9      | 21.7       | 2441.5     |
| VLP1       | 3602   | 60.04              | 80.29%   | 10.46%   | 8851.3       | 1007.8      | 24.8       | 2358.1     |
| VLP2       | 858    | 14.30              | 19.13%   | 2.49%    | 29863.1      | 1324.9      | 16.2       | 2784.4     |
| V1         | 3627   | 60.45              | 80.85%   | 10.53%   | 8879.1       | 1007.0      | 22.8       | 2361.1     |
| V2         | 858    | 14.30              | 19.13%   | 2.49%    | 29863.1      | 1324.9      | 16.2       | 2784.4     |
| noise      | 0      | 0.00               | 0.00%    | 0.00%    | ####         | ####        | ####       | ####       |



Tube Name: Stain Virus 2-2

Record Time: 2020-08-12 15:47:48

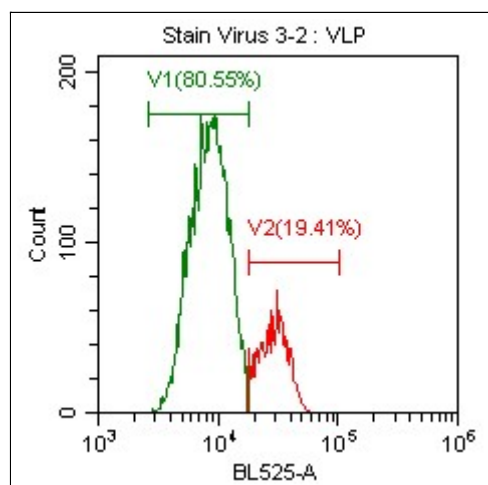
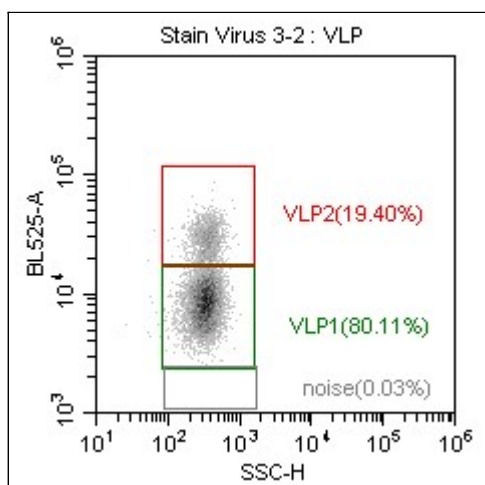
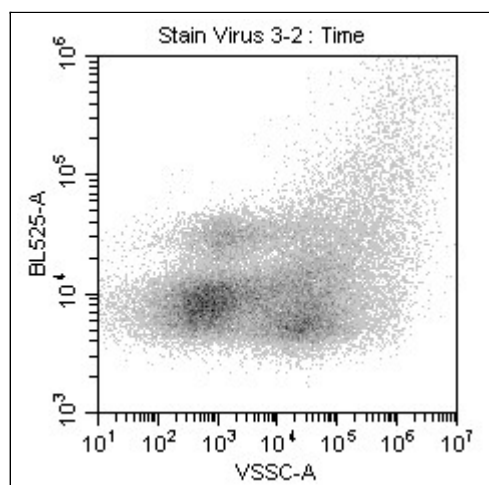
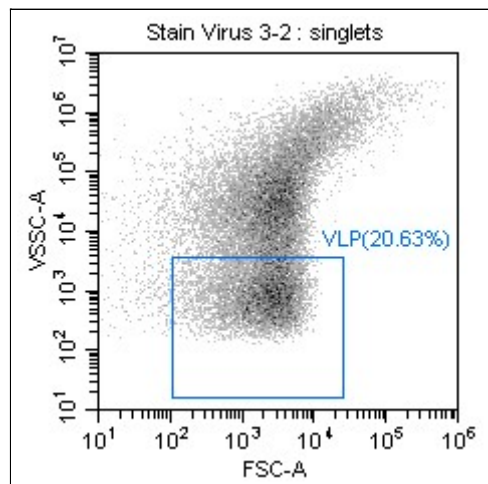
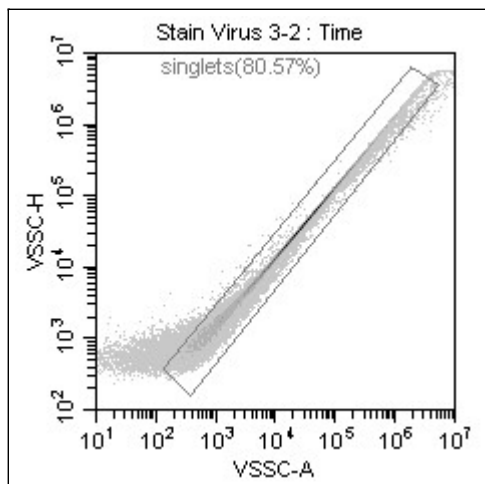
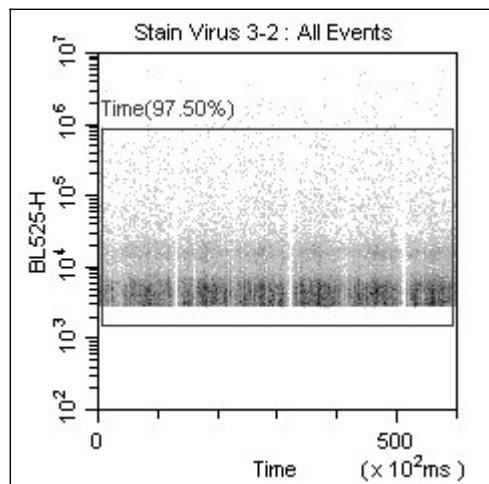
Volume( $\mu$ L): 60.0

Virus ( $\times 10^6$  particles/mL) = : 0.93

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/ $\mu$ L(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 35970  | 599.52             | 100.00%  | 100.0... | 31400.0      | 176142.3    | 12057.4    | 6820.3     |
| Time       | 34964  | 599.38             | 97.20%   | 97.20%   | 22970.5      | 152610.4    | 8096.0     | 4726.4     |
| singlets   | 27593  | 459.90             | 78.92%   | 76.71%   | 22352.1      | 98099.5     | 4938.6     | 2735.0     |
| VLP        | 5558   | 92.64              | 20.14%   | 15.45%   | 13491.4      | 1139.6      | 20.6       | 2491.2     |
| VLP1       | 4304   | 71.74              | 77.44%   | 11.97%   | 8815.8       | 1071.9      | 19.8       | 2374.3     |
| VLP2       | 1230   | 20.50              | 22.13%   | 3.42%    | 29863.2      | 1376.7      | 31.1       | 2891.2     |
| V1         | 4324   | 72.07              | 77.80%   | 12.02%   | 8836.6       | 1071.3      | 18.4       | 2377.2     |
| V2         | 1232   | 20.53              | 22.17%   | 3.43%    | 29846.3      | 1377.8      | 28.6       | 2894.4     |
| noise      | 2      | 0.03               | 0.04%    | 0.01%    | 2430.3       | 1931.3      | -157.3     | 556.3      |





Tube Name: Stain Virus 3-2

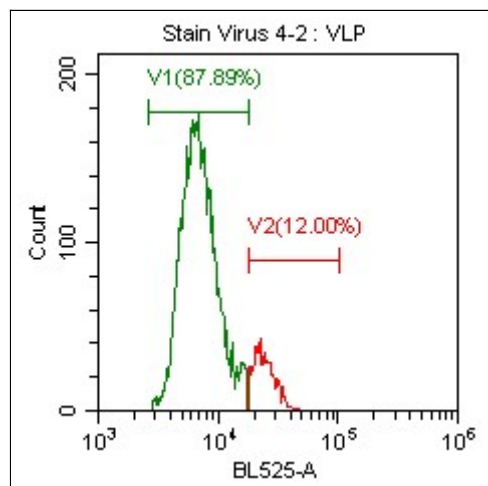
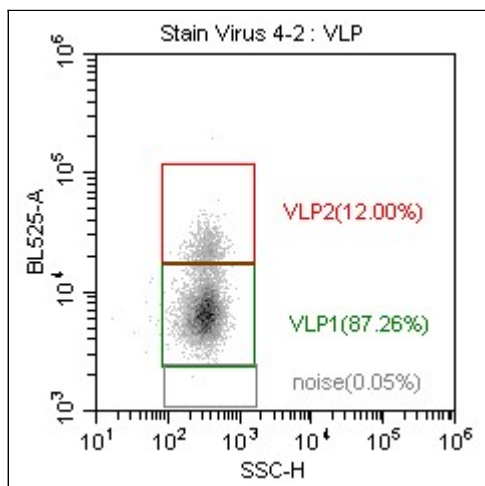
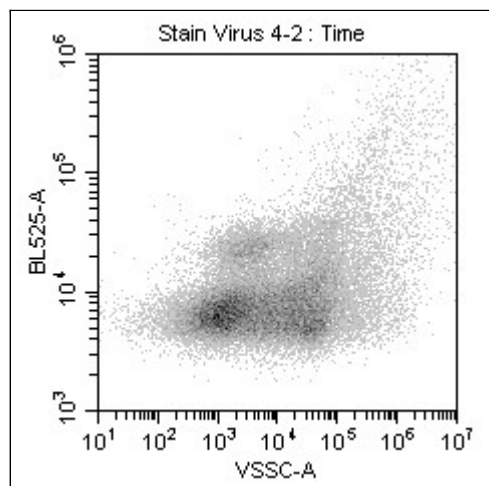
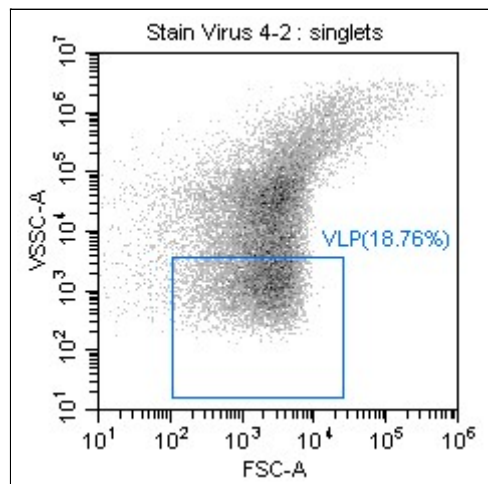
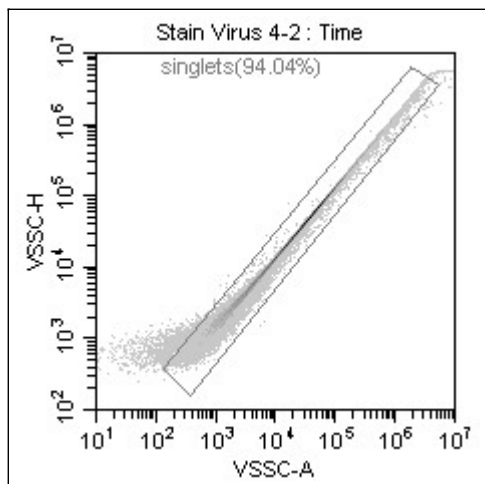
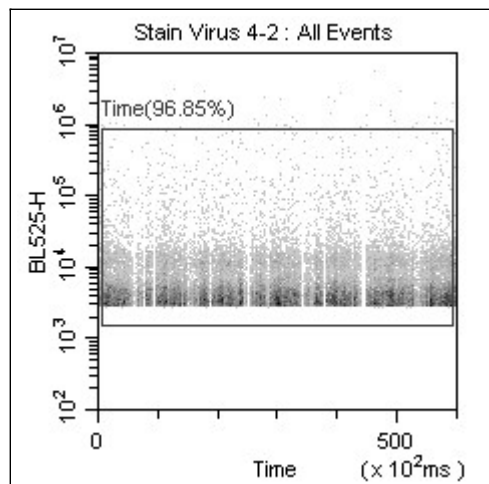
Record Time: 2020-08-12 15:49:36

Volume( $\mu$ L): 60.0

Virus ( $\times 10^6$  particles/mL) = : 1.22

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/ $\mu$ L(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 45133  | 752.23             | 100.00%  | 100.0... | 30720.8      | 125060.3    | 6886.3     | 4055.7     |
| Time       | 44005  | 754.37             | 97.50%   | 97.50%   | 23083.3      | 111164.0    | 5963.1     | 3068.6     |
| singlets   | 35453  | 590.89             | 80.57%   | 78.55%   | 22614.8      | 85383.1     | 4169.7     | 2101.1     |
| VLP        | 7315   | 121.92             | 20.63%   | 16.21%   | 12947.2      | 1226.3      | 21.7       | 2445.1     |
| VLP1       | 5860   | 97.67              | 80.11%   | 12.98%   | 8774.0       | 1157.0      | 20.6       | 2342.7     |
| VLP2       | 1419   | 23.65              | 19.40%   | 3.14%    | 30140.6      | 1512.9      | 32.9       | 2856.5     |
| V1         | 5892   | 98.20              | 80.55%   | 13.05%   | 8807.7       | 1157.0      | 19.3       | 2345.7     |
| V2         | 1420   | 23.67              | 19.41%   | 3.15%    | 30145.4      | 1512.3      | 31.3       | 2858.0     |
| noise      | 2      | 0.03               | 0.03%    | 0.00%    | 2447.6       | 1708.8      | 255.1      | 2550.1     |



Tube Name: Stain Virus 4-2

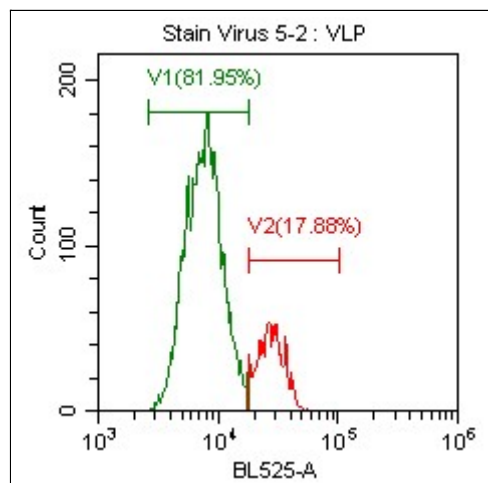
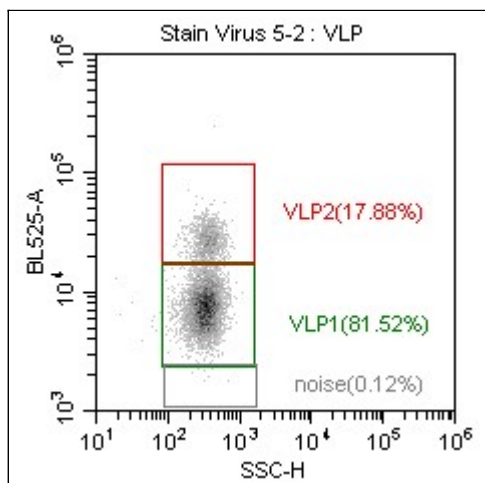
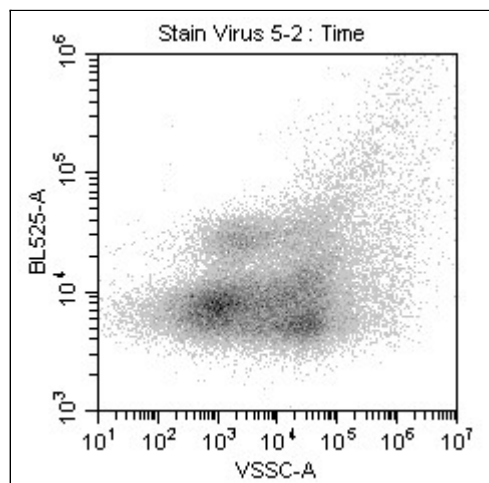
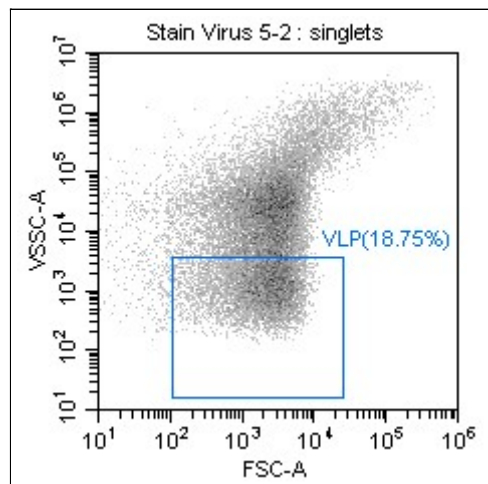
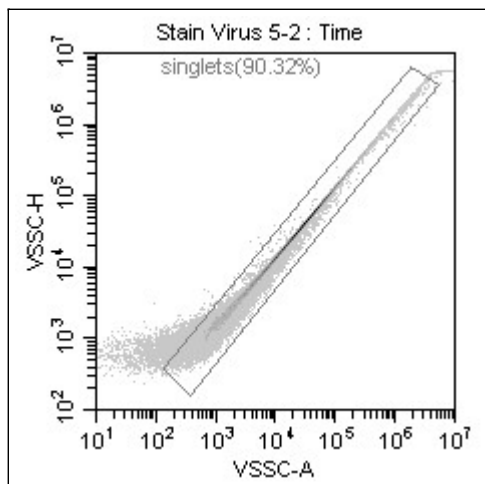
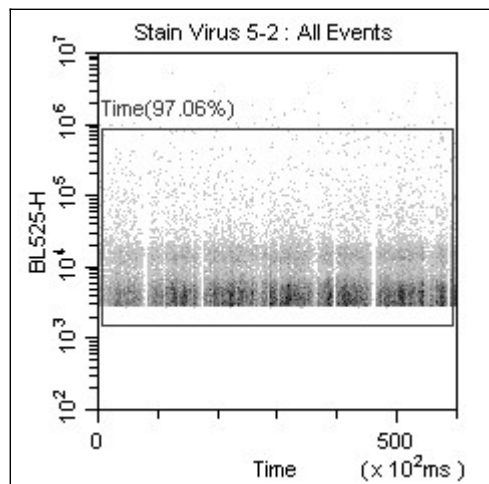
Record Time: 2020-08-12 15:51:27

Volume( $\mu$ L): 60.0

Virus ( $\times 10^6$  particles/mL) = : 0.97

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/ $\mu$ L(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 34179  | 569.69             | 100.00%  | 100.0... | 24364.5      | 130735.4    | 6487.2     | 3819.0     |
| Time       | 33104  | 567.50             | 96.85%   | 96.85%   | 18539.9      | 116698.4    | 5746.9     | 3192.9     |
| singlets   | 31132  | 518.90             | 94.04%   | 91.09%   | 17079.7      | 71587.9     | 3694.7     | 1885.5     |
| VLP        | 5840   | 97.34              | 18.76%   | 17.09%   | 9589.1       | 1561.1      | 34.7       | 2268.9     |
| VLP1       | 5096   | 84.94              | 87.26%   | 14.91%   | 7363.1       | 1476.1      | 33.7       | 2219.6     |
| VLP2       | 701    | 11.68              | 12.00%   | 2.05%    | 25238.7      | 2150.4      | 50.9       | 2605.1     |
| V1         | 5133   | 85.56              | 87.89%   | 15.02%   | 7422.2       | 1481.0      | 32.4       | 2223.9     |
| V2         | 701    | 11.68              | 12.00%   | 2.05%    | 25238.7      | 2150.4      | 50.9       | 2605.1     |
| noise      | 3      | 0.05               | 0.05%    | 0.01%    | 2303.9       | 916.7       | 23.4       | 1784.9     |



Tube Name: Stain Virus 5-2

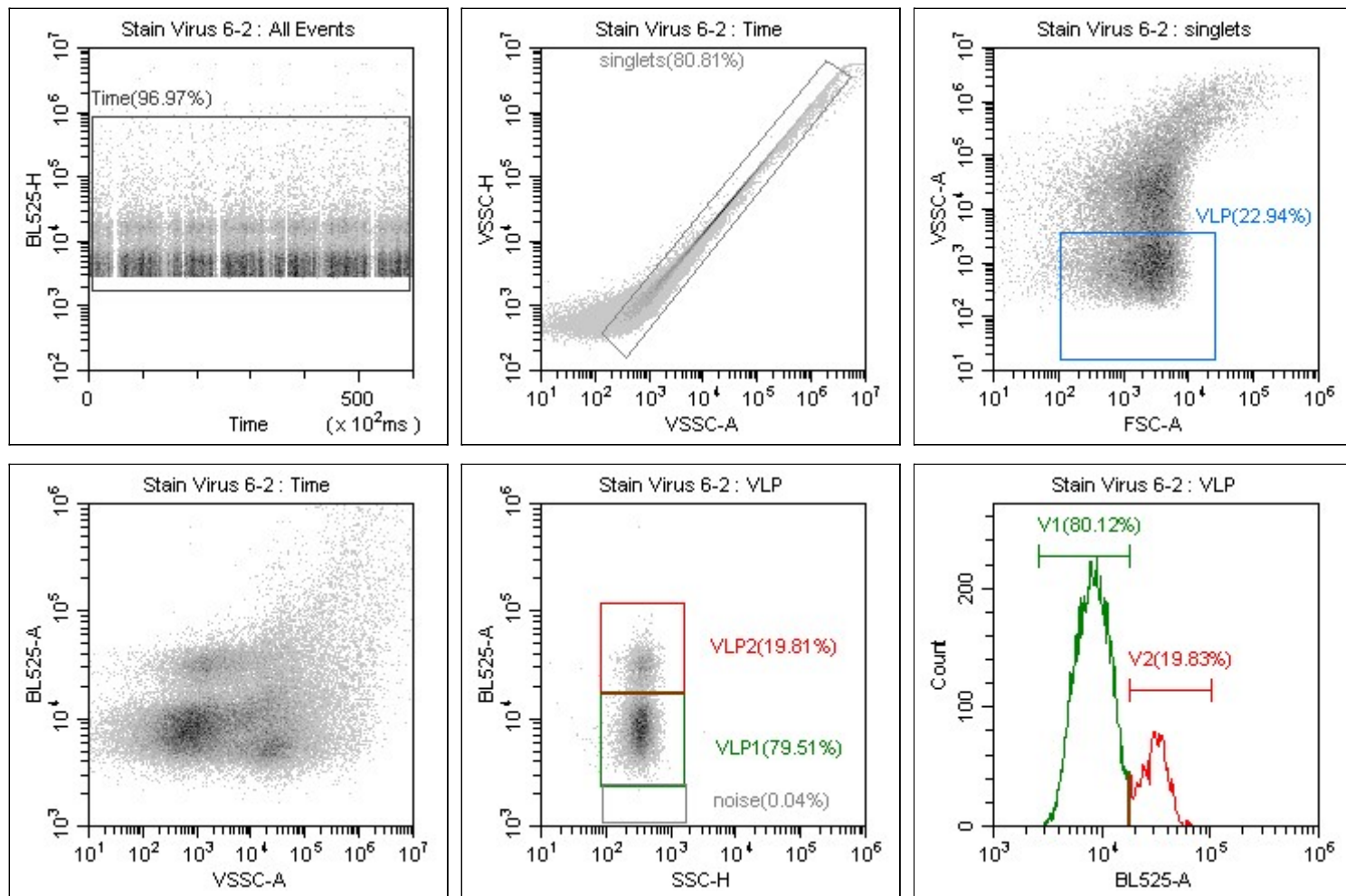
Record Time: 2020-08-12 15:54:56

Volume( $\mu$ L): 60.0

Virus ( $\times 10^6$  particles/mL) = : 1.10

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/ $\mu$ L(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 40156  | 669.27             | 100.00%  | 100.0... | 23637.7      | 105603.1    | 11502.1    | 6160.7     |
| Time       | 38976  | 668.16             | 97.06%   | 97.06%   | 19297.1      | 90928.5     | 6701.6     | 3271.3     |
| singlets   | 35205  | 586.75             | 90.32%   | 87.67%   | 19177.8      | 63313.5     | 3334.8     | 1647.9     |
| VLP        | 6600   | 110.00             | 18.75%   | 16.44%   | 11658.5      | 1479.7      | 31.1       | 2397.2     |
| VLP1       | 5380   | 89.67              | 81.52%   | 13.40%   | 7929.6       | 1396.7      | 29.5       | 2290.7     |
| VLP2       | 1180   | 19.67              | 17.88%   | 2.94%    | 28443.1      | 1853.2      | 45.5       | 2892.4     |
| V1         | 5409   | 90.15              | 81.95%   | 13.47%   | 7969.6       | 1398.2      | 27.9       | 2290.0     |
| V2         | 1180   | 19.67              | 17.88%   | 2.94%    | 28443.1      | 1853.2      | 45.5       | 2892.4     |
| noise      | 8      | 0.13               | 0.12%    | 0.02%    | 2138.3       | 1762.7      | 85.2       | 1499.0     |



Tube Name: Stain Virus 6-2

Record Time: 2020-08-12 15:56:41

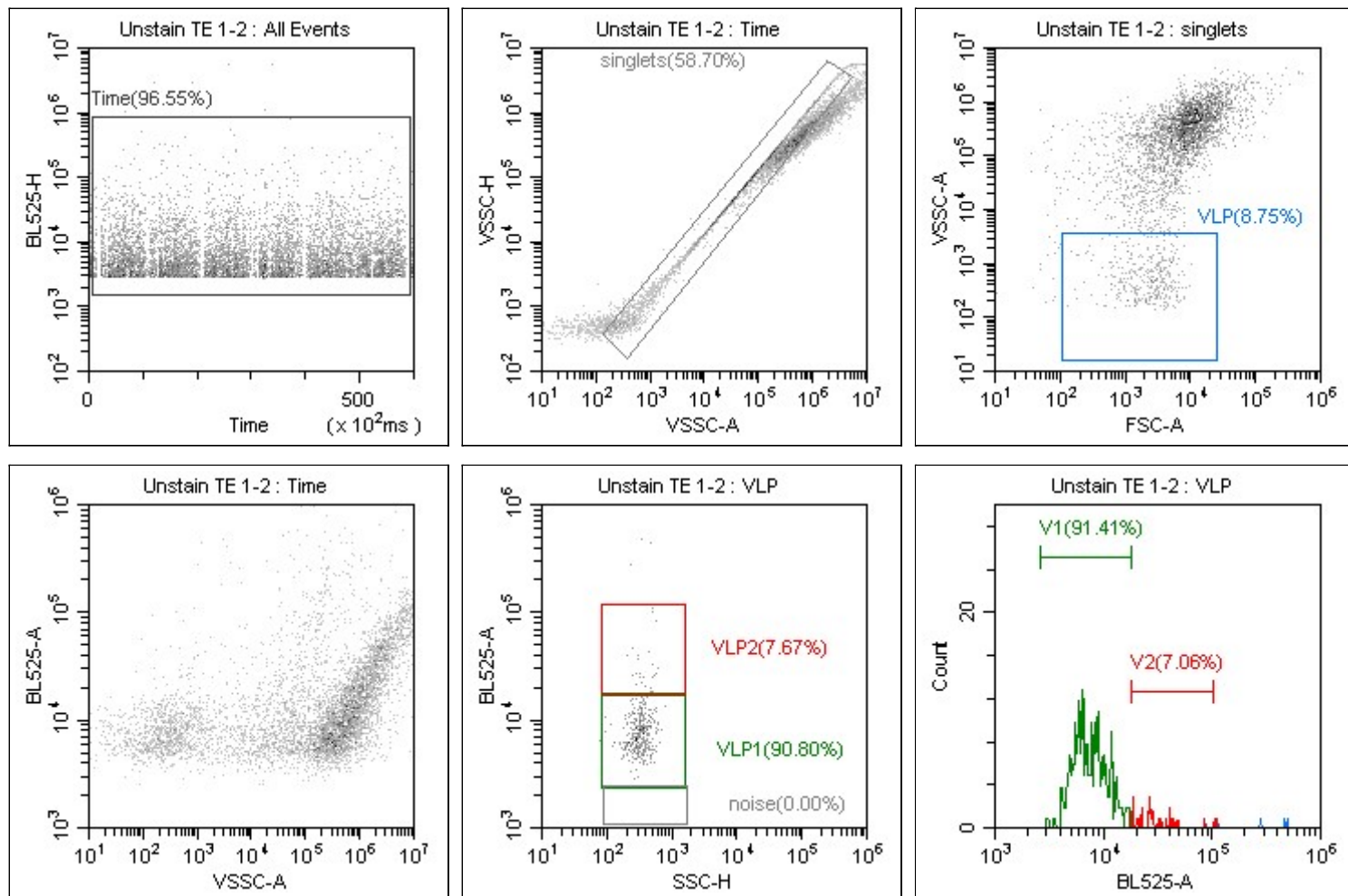
Volume(μL): 60.0

Virus (x 10<sup>6</sup> particles/mL) = : 1.60

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/μL(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 53413  | 890.25       | 100.00%  | 100.0... | 28544.3      | 95393.2     | 5185.8     | 2966.0     |
| Time       | 51797  | 887.95       | 96.97%   | 96.97%   | 20671.5      | 77329.0     | 3763.8     | 1885.7     |
| singlets   | 41855  | 697.61       | 80.81%   | 78.36%   | 21575.8      | 60954.5     | 3011.6     | 1382.0     |
| VLP        | 9602   | 160.04       | 22.94%   | 17.98%   | 13266.8      | 1279.2      | 21.7       | 2411.3     |
| VLP1       | 7635   | 127.25       | 79.51%   | 14.29%   | 8636.0       | 1202.7      | 21.1       | 2301.6     |
| VLP2       | 1902   | 31.70        | 19.81%   | 3.56%    | 31512.1      | 1583.2      | 34.8       | 2849.7     |
| V1         | 7693   | 128.22       | 80.12%   | 14.40%   | 8678.7       | 1204.1      | 19.1       | 2303.2     |
| V2         | 1904   | 31.73        | 19.83%   | 3.56%    | 31521.7      | 1582.5      | 32.2       | 2849.1     |
| noise      | 4      | 0.07         | 0.04%    | 0.01%    | 2403.1       | 1467.1      | 145.7      | 2173.8     |





Tube Name: Unstain TE 1-2

Record Time: 2020-08-12 16:00:12

Volume( $\mu$ L): 60.0

Virus ( $\times 10^6$  particles/mL) = : 0.05

Comment: Stain samples are 10X diluted with TE buffer (pH8.0)

| Population | Events | Events/ $\mu$ L(V) | % Parent | % Total  | Mean BL525-A | Mean VSSC-A | Mean SSC-A | Mean FSC-A |
|------------|--------|--------------------|----------|----------|--------------|-------------|------------|------------|
| All Events | 6575   | 109.63             | 100.00%  | 100.0... | 41399.4      | 1407816.1   | 66877.2    | 36940.9    |
| Time       | 6348   | 108.82             | 96.55%   | 96.55%   | 27781.9      | 1355669.1   | 54840.6    | 30255.4    |
| singlets   | 3726   | 62.12              | 58.70%   | 56.67%   | 21256.7      | 341521.8    | 12765.9    | 9107.5     |
| VLP        | 326    | 5.44               | 8.75%    | 4.96%    | 13937.9      | 842.2       | 40.1       | 2697.2     |
| VLP1       | 296    | 4.94               | 90.80%   | 4.50%    | 8050.9       | 832.8       | 28.0       | 2648.3     |
| VLP2       | 25     | 0.42               | 7.67%    | 0.38%    | 36953.1      | 905.6       | 180.9      | 3098.7     |
| V1         | 298    | 4.97               | 91.41%   | 4.53%    | 8078.7       | 828.7       | 27.8       | 2651.7     |
| V2         | 23     | 0.38               | 7.06%    | 0.35%    | 30948.8      | 930.9       | 164.5      | 3166.4     |
| noise      | 0      | 0.00               | 0.00%    | 0.00%    | ####         | ####        | ####       | ####       |