Supplemental Information

LDTs Used on Sites

Within a total of 453 enrolled specimens for accuracy study, 451 results were received from LDTs. There were three (3) subjects where the LDTs were not available from the sites. Below summarized the panels used on sites for generating LDT results.

1. **Site 1 - LDT Panels**

| FITC | PE | ECD or CF594 | PC5.5 | PC7 | APC | AA700 | AA750 | BV421 | BV510 |
|------|----|--------------|-------|-----|-----|-------|-------|-------|-------|
| ACUTE LEUKEMIA (Initial diagnostic sample only) |
| 1. CD34 | CD13 | CD16+14 | CD117 | HLA-DR | CD33 | CD7 | CD11b | CD15 | CD45 |
| 2. CD41+61 | CD71 | CD14 | CD56 | CD33 | CD36 | CD34 | CD235a | CD64 | CD45 |
| 3. CD58 | CD49f | CD34 | CD38 | CD19 | CD81 | CD22 | CD10 | CD123 | CD45 |
| 4. cCD3 | CD4 | CD56 | CD5 | CD2 | CD8 | CD7 | CD38 | CD3 | CD45 |
| 5. nTdT | clgM | CD3 | cMPO | CD33 | cCD3 | CD19 | CD20 | cCD79 | CD45 |
| 6. cMsIg | cMsIg | CD3 | cMsIg | CD33 | cMsIg | CD19 | CD20 | cMsIg | CD45 |
| May add: |
| 7. CD41+61 | CD71 | CD14 | CD56 | CD33 | CD36 | CD34 | CD235a | CD64 | CD45 |

PANCYTOPENIA - BONE MARROW SAMPLES

| Kappa | Lambda + | CD8+ | CD34 | CD13 | CD16+14 | CD5 | CD19 | CD34 | CD7 | CD10 | CD3 | CD45 |
|-------|-----------|------|------|------|---------|-----|------|------|-----|------|-----|------|

PANCYTOPENIA - PERIPHERAL BLOOD SAMPLES

| Kappa | Lambda + | CD8+ | CD117 | CD56 | CD5 | CD16 | CD34 | CD19 | CD10 | CD3 | CD45 |
|-------|-----------|------|-------|------|-----|------|------|------|------|-----|------|

LYMPHOMA - PERIPHERAL BLOOD SCREEN

| CD45 | CD8+ | CD16+56 | CD3 | CD5 | CD4+k | CD7 | CD20 | CD200 | CD19 |
|------|------|--------|-----|-----|------|-----|------|-------|------|

LYMPHOMA - NON-PERIPHERAL BLOOD SCREEN

| CD4+k | CD8+ | CD16+56 | CD3 | CD10 | CD103 | CD19 | CD20 | CD3 | CD45 |
|-------|------|--------|-----|------|-------|------|------|-----|------|

LYMPHOMA REFLEX TUBES - Not done routinely, only if needed.

| Kappa | Lambda | CD20 | CD11c | CD10 | CD103 | CD19 | CD43 | CD25 | CD45 |
|-------|--------|------|-------|------|-------|------|------|------|------|
| nTdT  | CD1a   | CD16+56 | CD5 | CD2 | CD3 | CD7 | CD4 | CD8 | CD45 |
| cKappa | cLambda | Drop-in CD5 | Drop-in CD10 | CD19 | CD45 |
| CD94  | CD158a | CD56 | CD158b | CD2 | CD158e | CD7 | CD16 | CD3/64/15 | CD8 |

PLASMA CELL DYSCRASIAS

| cLambda | CD117 | CD20 | CD138 | CD27 | cKappa | CD45 | CD38 | CD56 | CD19 |
|---------|------|------|-------|------|--------|------|------|------|------|
2. Site 2 - LDT Panels

|          | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------|---|---|---|---|---|---|---|---|---|----|
| D-TS     | 8 | K | 4 | A | 5 | 2 | 0 | 5 | 6 | 3  |
| MY1      | 6 | 4 | 1 | 3 | - | 1 | 6 | 3 | 4 | 5  |
| MY2      | 1 | 5 | 3 | 3 | 7 | - | 1 | 1 | - | -  |
| Mono     | 3 | 6 | 4 | 5 | - | 1 | 4 | - | - | -  |
| LY4      | - | 2 | 0 | 0 | 1 | 9 | 5 | - | - | -  |
| ALPS 9    | a | 2 | 0 | 4 | - | - | - | - | - | 3  |
| BAL      | 8 | 4 | 4 | 5 | 3 | 1 | 9 | - | - | -  |
| HC       | 103| 1  | 25 | 4 | 5 | 1 | 9 | - | - | -  |
| B-ALL    | 2 | 0 | 1 | 0 | - | - | 1 | 9 | 3 | 4  |
| MRD      | 3 | tubes | 2 | tubes | 3 | tubes | 2 | tubes | 3 | tubes |

Abnormal Pop: % TLC % TNC Absolute: (________x10^9/L)

- CD19:
- CD19/Kappa:
- CD19/Lambda:
- CD19/CD5:
- CD19/CD10:
- CD20:
- CD19/CD5/CD49:
- CD19/CD5/CD20:
- CD19/CD11:
- CD19/CD25:
- TCR-Gamma/Delta:
- Alpha/Beta

- CD3:
- CD3/CD4:
- CD3/CD8:
- CD4/CD8 Ratio:
- CD5:
- CD5/CD7:
- cKappa / cLambda
- cD7:
- cCD79a:
- cCD3:
- cCD3:
- cMPO:
- HLA-DR:
- CD4:
- CD7:
- (MY4) CD14:
### 3. Site 3 - LDT Panels

| FITC | PE | ECD | PC5 | PC7 | FITC | PE | ECD | PC5 | PC7 | FITC | PE | ECD | PC5 | PC7 |
|------|----|-----|-----|-----|------|----|-----|-----|-----|------|----|-----|-----|-----|
| IgG1 | IgG2a | IgG1 | IgG1 | CD45 | IgG1 | IgG2a | IgG1 | IgG1 | CD45 | IgG1 | IgG2a | IgG1 | IgG1 | CD45 |
| CD64 | CD87 | CD3 | CD56 | CD45 | CD34 | CD56 | CD19 | CD33 | CD45 | CD64 | CD87 | CD3 | CD56 | CD45 |
| CD65 | CD2 | CD34 | CD13 | CD45 | CD15 | CD7 | CD34 | CD33 | CD45 | CD65 | CD2 | CD34 | CD13 | CD45 |
| CD9  | HLA-DR | CD34 | CD33 | CD45 | CD9  | HLA-DR | CD34 | CD33 | CD45 |
| CD11b | CD116 | CD20 | CD117 | CD45 | CD11b | CD12 | HLA-DR | CD16 | CD45 | CD26 | CD61 | CD14 | CD23a | CD45 |
| CD34 | CD66 | CD19 | CD33 | CD45 | CD34 | CD66 | CD19 | CD33 | CD45 | CD34 | CD66 | CD19 | CD33 | CD45 |
| CD15 | CD7 | CD34 | CD33 | CD45 | CD15 | CD7 | CD34 | CD33 | CD45 | CD15 | CD7 | CD34 | CD33 | CD45 |
| CD36 | CD61 | CD14 | CD23a | CD45 | CD36 | CD61 | CD14 | CD23a | CD45 | CD36 | CD61 | CD14 | CD23a | CD45 |
| CD38 | CD13 | CD34 | CD60 | CD45 | CD38 | CD13 | CD34 | CD60 | CD45 | CD38 | CD13 | CD34 | CD60 | CD45 |
| CD15 | CD33 | CD34 | CD117 | CD45 | CD15 | CD33 | CD34 | CD117 | CD45 | CD15 | CD33 | CD34 | CD117 | CD45 |
| CyIgG1 | CyIgG2a | CyIgG1 | CyIgG1 | CyCD45 | CyIgG1 | CyIgG2a | CyIgG1 | CyIgG1 | CyCD45 | CyIgG1 | CyIgG2a | CyIgG1 | CyIgG1 | CyCD45 |
| MPO | LF | CyCD34 | CyCD33 | CyCD45 | MPO | LF | CyCD34 | CyCD33 | CyCD45 |
| TdT | CyCD22 | CyCD20 | CyCD79a | CyCD45 | TdT | CyCD22 | CyCD20 | CyCD79a | CyCD45 | TdT | CyCD22 | CyCD20 | CyCD79a | CyCD45 |

### 4. CLL / NHL

| FITC | PE | ECD | PC5 | PC7 | FITC | PE | ECD | PC5 | PC7 | FITC | PE | ECD | PC5 | PC7 |
|------|----|-----|-----|-----|------|----|-----|-----|-----|------|----|-----|-----|-----|
| IgG1a | IgG1a | IgG1a | IgG1a | IgG1a | CD58 | IgG1a | IgG1a | IgG1a | IgG1a | CD58 | IgG1a | IgG1a | IgG1a | IgG1a |
| CD7 | CD16 | CD56 | CD19 | CD45 | CD7 | CD16 | CD56 | CD19 | CD45 | CD7 | CD16 | CD56 | CD19 | CD45 |
| CD4 | CD4 | CD10 | CD4 | CD4 | CD4 | CD4 | CD10 | CD4 | CD4 | CD4 | CD4 | CD10 | CD4 | CD4 |
| CD103 | CD23 | CD19 | CD22 | CD45 | CD103 | CD23 | CD19 | CD22 | CD45 | CD103 | CD23 | CD19 | CD22 | CD45 |
| Kappa | Lambda | CD19 | CD38 | CD45 | Kappa | Lambda | CD19 | CD38 | CD45 | Kappa | Lambda | CD19 | CD38 | CD45 |
| CD8 | CD4 | CD3 | CD56 | CD45 | CD8 | CD4 | CD3 | CD56 | CD45 | CD8 | CD4 | CD3 | CD56 | CD45 |
| CD1 | CD8 | CD4 | CD3 | CD56 | CD1 | CD8 | CD4 | CD3 | CD56 | CD1 | CD8 | CD4 | CD3 | CD56 |
| CyIgG1a | CyIgG1a | CyIgG1a | CyIgG1a | CyCD45 | CyIgG1a | CyIgG1a | CyIgG1a | CyIgG1a | CyCD45 | CyIgG1a | CyIgG1a | CyIgG1a | CyIgG1a | CyCD45 |
| TdT | ZAP70 | CyCD3 | CyCD79a | CyCD45 | TdT | ZAP70 | CyCD3 | CyCD79a | CyCD45 | TdT | ZAP70 | CyCD3 | CyCD79a | CyCD45 |

### 5. AML

| FITC | PE | ECD | PC5 | PC7 |
|------|----|-----|-----|-----|
| IgG1a | IgG1a | IgG1a | IgG1a | IgG1a |
| CD8 | CD4 | CD3 | CD56 | CD45 |
| CD9 | CD11c | CD19 | CD25 | CD45 |
| CyIgG1a | CyIgG1a | CyIgG1a | CyIgG1a | CyCD45 |
| CD103 | CD23 | CD19 | CD22 | CD45 |
| CD112 | CD117 | CD19 | CD25 | CD45 |
| CyIgG1a | CyIgG1a | CyIgG1a | CyIgG1a | CyCD45 |
| TdT | ZAP70 | CyCD3 | CyCD79a | CyCD45 |

### 6. MPS

| CD79b | CD5 | CD19 | CD20 | CD45 |
|------|-----|-----|-----|-----|
| CyIgG1a | CyIgG1a | CyIgG1a | CyIgG1a | CyCD45 |
| CD10 | CD23 | CD19 | CD22 | CD45 |
| CD8 | CD4 | CD3 | CD56 | CD45 |
| CD9 | CD11c | CD19 | CD25 | CD45 |
| CyIgG1a | CyIgG1a | CyIgG1a | CyIgG1a | CyCD45 |
| TdT | ZAP70 | CyCD3 | CyCD79a | CyCD45 |

### 7. ALL

| CyKappa | CyLambda | CyCD19 | CyCD38 | CyCD45 |
|---------|---------|--------|--------|--------|
| CyIgG1a | CyIgG1a | CyIgG1a | CyIgG1a | CyCD45 |
| CD103 | CD23 | CD19 | CD22 | CD45 |
| CD112 | CD117 | CD19 | CD25 | CD45 |
| CyIgG1a | CyIgG1a | CyIgG1a | CyIgG1a | CyCD45 |
| TdT | ZAP70 | CyCD3 | CyCD79a | CyCD45 |
4. **Site 4 - LDT Panels**

| #  | Name          | FITC | PE | ECD | PCS.5 | PC7 | APC | APCA 700 | APCA 750 | PB or V450 | KO |
|----|---------------|------|----|-----|-------|-----|-----|-----------|-----------|-------------|----|
| 1  | T-Cell        | 38   | 56 | 3   | 5     | 7   | 2   | 19        | 4         | 8           | 45 |
| 2  | B-Cell        | Kappa Lambda | 23 | 19 | 11c | 10 | 5 | 34 | 20 | 45 |
| 3  | Myeloid       | 16   | 13 | 64  | 117  | 33  | 34  | 19        | 14        | HLA-DR 45   |
| 4  | Extended      | FMC-7 | 235a | 41 | 138 | 11b | 34 | 19 | 71 | 15 | 45 |

### AML Add-on Tube

| Name          | FITC | PE | ECD | PCS.5 | PC7 | APC | APCA 700 | APCA 750 | PB | KO |
|---------------|------|----|-----|-------|-----|-----|-----------|-----------|----|----|
| AML           | nTdT | cMPO | 34 | 117  | c22 | c79a | 123       | c3         | 11b | 45 |

### B-ALL Add-on Tube

| Name          | FITC | PE | ECD | PCS.5 | PC7 | APC | APCA 700 | APCA 750 | PB | KO |
|---------------|------|----|-----|-------|-----|-----|-----------|-----------|----|----|
| B-ALL         | nTdT | cMPO | 19 | c22  | 10  | c79a | 34        | c3         | none | 45 |

### CLL/Mantle Cell Companion Add-on Panel

| Name          | FITC | PE | ECD | PCS.5 | PC7 | APC | APCA 700 | APCA 750 | PB | KO |
|---------------|------|----|-----|-------|-----|-----|-----------|-----------|----|----|
| CLL           | 43   | 200 | 3   | 22    | none | 36  | none      | none      | FMC-7 | 45 |

### Erythroid/Megakaryocyte Panel

| Name          | FITC | PE | ECD | PCS.5 | PC7 | APC | APCA 700 | APCA 750 | PB | KO |
|---------------|------|----|-----|-------|-----|-----|-----------|-----------|----|----|
| Eryth-Mega    | 71   | 13 | c41 | 117   | c61 | none | 34        | 235a      | none | 45 |

### Hairy Cell Add-on Tube

| Name          | FITC | PE | ECD | PCS.5 | PC7 | APC | APCA 700 | APCA 750 | PB | KO |
|---------------|------|----|-----|-------|-----|-----|-----------|-----------|----|----|
| Hairy Cell    | Kappa Lambda | 19 | 22 | 11c | 103 | 25  | 20        | none      | 45 |

### Intracytoplasmic B-cell Tube

| Name          | FITC | PE | ECD | PCS.5 | PC7 | APC | APCA 700 | APCA 750 | V450 | KO |
|---------------|------|----|-----|-------|-----|-----|-----------|-----------|------|----|
| IC B-cell     | cKappa | cLambda | 23 | 19 | 11c | 10 | 5 | 34 | 20 | 45 |

### MDS Add-on Panel

| Name          | FITC | PE | ECD | PCS.5 | PC7 | APC | APCA 700 | APCA 750 | PB | KO |
|---------------|------|----|-----|-------|-----|-----|-----------|-----------|----|----|
| MDS           | 71   | 13 | 41  | 117   | 11b | 36  | none      | 235a      | none | 45 |

### Plasma Cell Add-on Panel

| Name          | FITC | PE | ECD | PCS.5 | PC7 | APC | APCA 700 | APCA 750 | PB | KO |
|---------------|------|----|-----|-------|-----|-----|-----------|-----------|----|----|
| 9-Color IPC   | cKappa | cLambda | 20 | 38 | 56 | 138 | 19 | 117 | 45 | none |

### T-ALL Add-on Tube/Immature T-cell

| Name          | FITC | PE | ECD | PCS.5 | PC7 | APC | APCA 700 | APCA 750 | PB | KO |
|---------------|------|----|-----|-------|-----|-----|-----------|-----------|----|----|
| T-ALL         | nTdT | c3 | cMPO | 7    | none | 19 | 43 | 11b | 45 |

### T-cell Receptor/LGL Add-on Panel

| Name          | FITC | PE | ECD | PCS.5 | PC7 | APC | APCA 700 | APCA 750 | PB | KO |
|---------------|------|----|-----|-------|-----|-----|-----------|-----------|----|----|
| T-cell        | TCR a/b | TCR g/d | 16 | 3 | 56 | 7 | 8 | 4 | 57 | 45 |

### T-Cell Therapy Panel

| Name          | FITC | PE | ECD | PCS.5 | PC7 | APC | APCA 700 | APCA 750 | PB | KO |
|---------------|------|----|-----|-------|-----|-----|-----------|-----------|----|----|
| T-cell Therapy | 52   | 26 | 3 | 279   | 7   | 30  | 25        | 4         | 8   | 45 |