1. Calculate the CV for each control. 2. Calculate the CVI for each control. 3. Calculate the SDI for each control.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Platelet Count (cells x 109/L)** | | | |  |  |
| **Sysmex XE-2100** | |  | **Low Control** | **Normal Control** | **High Control** |
| **Your Lab** | | Mean | 56 | 214 | 545 |
|  |  | SD | 6 | 17 | 37 |
|  | (1) | CV |  |  |  |
|  | (2) | My Lab (Peer) CVI |  |  |  |
|  | (3) | My Lab (Peer) SDI |  |  |  |
|  |  |  |  |  |  |
| **Peer Group** | | Mean | 62 | 215 | 496 |
|  |  | SD | 7 | 19 | 40 |
|  |  | CV | 11.3 | 8.8 | 8.1 |
|  |  | N | 12 | 12 | 12 |

1. Calculate the TE for each control.

|  |  |  |  |
| --- | --- | --- | --- |
| **TE in units of cells x 109/L** |  |  |  |

1. If the criterion for acceptable performance for platelet count is 25%, is the TE acceptable?

|  |  |  |  |
| --- | --- | --- | --- |
| **TEA  in units**  **of cells x 109/L** |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **TE < TEA** |  |  |  |