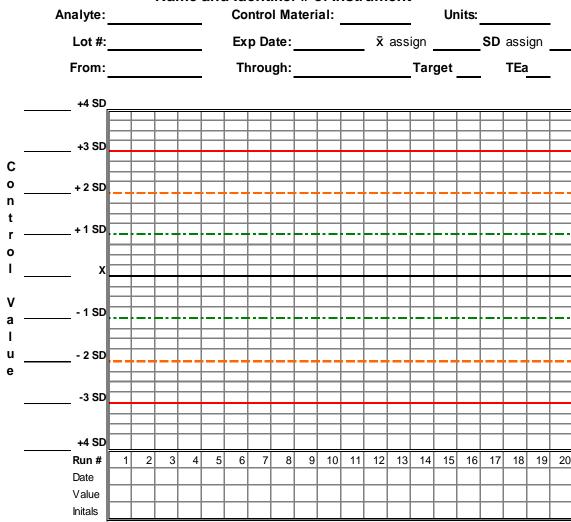
Creating a L-J Chart

1. Label the chart

- Name of the laboratory
- Name of the Instrument and Identifier #
- Name of Test
- Units
- Name & expiration date of the control material
- Assigned mean and standard deviation used on the chart
- · Acceptable control limits
- Time period covered by the chart
- 2. Label the X-axis in terms of time period used or run
- 3. Scale the X-axis into evenly sized increments numbering sequentially
- 4. Label the Y-axis Control Value and for *X*, ±1 SD, ±2 SD, ±3 SD, ±4 SD
- 5. Scale the Y-axis from lowest to highest expected control values as follows using the assigned mean and standard deviation (SD) so that the mean is located at the center of your graph:
- Subtract the SD from the mean; this is the -1SD
- Add the SD to the mean; this is the +1SD
- Multiply the SD by 2, and then subtract that value from the mean. This is the -2SD
- Multiply the SD by 2 and then add that value to the mean. This is the +2SD
- Repeat this process for ± 3SD, ± 4SD using a factor of 3 and 4 respectively.
- 6. Write the values obtained for *X*, ±1 SD, ±2 SD, ±3 SD, ±4 SD next to the correct label on the chart.
- 7. Draw lines for mean and SDs
- 8. Begin plotting analyzed QC results.

Name of the Laboratory

Name and Identifier # of Instrument



Document #