1 - Review the kit contents

The kit contains RBC, WBC & PLT component vials along with the following literature:

**Assay sheet**
Lists expected values and ranges for the Abbott CELL-DYN® Emerald on the front and special mixing notes and dilution requirements for the highest level of WBC and PLTS on the back. *Please note the section outlining materials necessary for dilutions but not supplied.*

**Instructions for use**
Thoroughly outlines the intended use of the product, storage, preparation, mixing/handling and the analysis protocol.

**CVA input form**
Record the results for each component set as indicated. This worksheet will be used to submit your data to receive a report.

*Note - the lower level dilutions as indicated on the worksheet are optional.*

Please see the reverse side of this instruction sheet for more information.
2 - Analysis tips

- Read the **Instructions For Use** for details on Preparation, Mixing and Handling & Analysis Protocol.
- RBC & HGB results will be obtained from the RBC vials. WBC results will be obtained from the WBC vials, and PLT results will be obtained from the PLT vials.
- Ensure that sufficient, unexpired reagents are available and that no patient samples will be run on the instrument during the analysis. The vials have an open vial stability of 5 days.
- Begin with one component set and analyze all levels in order beginning with Level 1. Each vial is to be run 4 times each in Linearity Mode. The Linearity Mode can be accessed on the Emerald from the Main menu -> Maintenance -> Special Modes -> Linearity.
- Important mixing note for PLT components: PLT vials require a 30-second thorough mix using a vortex mixer prior to sampling. If a vortex mixer is not available, vigorously mix the vials by hand for 30 seconds prior to sampling until all cells have been suspended.

3 - Data submission

To receive a linearity report, submit the CVA input form with your results to the Streck STATS dept by e-mail at statsdata@streck.com or fax to 402.333.7874. Data is processed weekly on Fridays and needs to be received by **Thursday 5pm CST** to be processed the next business day. Reports are e-mailed by the close of business on Fridays.

4 - Report

A comprehensive report with linearity graphs and peer group comparison will be provided for your records. This report provides your laboratory with documentation that satisfies CLIA requirements regarding the verification of the instrument’s calibration status and reportable range.