A. **Purpose:** To describe the validation procedure for new equipment, or equipment being used for a new analytical procedure. All equipment must be validated before analyzing casework samples.

B. **Responsibility:** Section analyst or designee

C. Procedure:

1. All equipment must be qualified by the manufacturer's representative before the validation is performed. All data related to the qualification is kept with the instrument.
2. Each instrument is validated using parameters appropriate for the tpe of analyses performed. These parameters may include but are not limited to: system suitability, reproducibility, specificity, ruggedness and lower detectable limit.
3. All data is included in the validation document and kept in the section QC file.

D. **References:** Instrument manuals

SOP CH17

Section QC files