Update from the Whole Blood Creatinine Subcommittee

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Recommendations of the NKDEP Lab WG Subcommittee on Whole Blood Creatinine Measurements

- **Creatinine concentration measurements in whole blood samples should be adjusted and reported to health care providers to be equivalent to creatinine concentration measured in simultaneously collected venous serum or plasma that are traceable to IDMS reference measurement values (i.e., analogous to current recommendation for reporting whole blood glucose values)**

Recommendations of the NKDEP Lab WG Subcommittee on Whole Blood Creatinine Measurements (Cont'd)

- **Studies to document comparability of venous whole blood creatinine concentrations and fingerstick or other site capillary whole blood creatinine concentrations should be undertaken by any in vitro diagnostic device manufacturers who list fingerstick or other site capillary whole blood as acceptable sample types**

Recommendations of the NKDEP Lab WG Subcommittee on Whole Blood Creatinine Measurements (Cont'd)

- **There should be more effort to assess and improve field method's analytical non-specificity for all patient samples expected to be encountered clinically (e.g., patients with diabetes, hypertension, renal disease, etc.),**
- **Some quantitative acceptability criteria for maximum allowable non-specificity should be developed.**