

Rutgers University In Vivo Research Services (IVRS) offers

Blood Chemistry Analyzer: Heska Element DC5X



Heska Element DC5X: measures blood electrolytes, enzymes, glucose, lipid, proteins

HESKA location: School of Public Health, Piscataway, NJ

Available Species: multiple animal species including **rats and mice**

Individual tests: BUN, CREA, ALP, ALT, PHOS, GGT, TBIL, AS, GLU, TP, ALB, Ca, Mg, NH₃, TRIG, LIP, AMY, CK, URIC, CHOL, LDH, Electrolytes (Na⁺, K⁺, Cl⁻)

50 µl of serum/plasma (heparin only) or **200 µl** of whole blood *

Comprehensive Plus Panel: (ALP, ALT, BUN, CREA, GLU, TP, TBIL, ALB, PHOS, Ca, CHOL, GGT, LIP, AMY, Mg, TRIG, AST, Na⁺, K⁺, Cl⁻)= Comp 20

220 µl serum/plasma (heparin only) or **450 µl** of whole blood *

Comprehensive Panel: (ALP, ALT, BUN, CREA, GLU, TP, TBIL, ALB, PHOS, Ca, CHOL, GGT)= Comp 12

140 µl serum/plasma (heparin only) or **250 µl** of whole blood *

Liver Panel: (ALB, ALP, ALT, GGT, GLU, TBIL)

80 µl serum/plasma (heparin only)

160 µl of whole blood *

Kidney Panel: (ALB, BUN, CREA, Ca, PHOS, TP)

80 µl serum/plasma (heparin only)

160 µl of whole blood *

Report: Excel format compatible. The report will be available the same day and includes the results, low/high flags, and normal range.

* For plasma samples whole blood must have heparin added

Please contact Dr. Jiadong Li, at liji@research.rutgers.edu for more information.