

This Exam Outline was developed to help you prepare for the knowledge exam.

This Exam Outline is not meant to cover all aspects of the knowledge exam, but to guide your preparation for questions that may occur in the knowledge exam.

Review:

- Identification of microscopic organisms
- Slide preparation
- Type and crossmatching blood samples with and without antigens
- Analytes effected by hemolysis
- Diagnoses effecting specimens
 - CSF sampling with hemorrhages, infections, metastasis
 - VDRL
 - Rapid plasma reagin
 - Hemolytic uremic syndrome
 - Von Willebrand disease
 - Sickle cell anemia
 - Pernicious anemia
 - Iron deficiency anemia
 - Beta thalassemia
- Antibody production after exposure
- Wright-Giemsa staining
- Clue cells, check cells
- Lab value analysis
- Complications/environment/handling that effect results
- Blood product transfusion reactions and lab test necessity
- Anti-Fy^a, Anti-e difference
- Stuart-Prower disease and hemostasis test results
- Statistical terminology (mean control, standard deviation, confidence limits)
- Specimen collection techniques
- Define
 - Specificity
 - Sensitivity
- Peak and trough timing and specimen collection