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3 Urinalysis

Sample collection
- Free catch (voided sample)
- Bladder expression
- Catheterization
- Cystocentesis

Sample preservation
- In vitro changes occurring in unpreserved urine
- Refrigeration
- Freezing
- Toluene
- Formalin (40%)
- Boric acid (0.8%)
- Commercial preservation tablets

Physical examination of urine
- Volume
- Color
- Turbidity
- Odor
- Specific gravity (SG)

Chemical examination
- Glucose
- Bilirubin
- Ketones
- Blood
- pH
- Protein
- Urobilinogen
- Nitrite
- Leukocytes

Sediment examination
- Materials required
- Sediment stain
- Procedure for microscopic examination of urine
- Reporting of findings
- Microscopic elements of urine sediment

4 Parasitology

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