

Urinalysis and urine culture

Laboratory report

Sex	Male
Age at study	25 years
Date of study	March 2024
Specimen	Urine
Tests	Complete urinalysis (physical, chemical, microscopic) and urine culture

URINE CULTURE

Microscopy (culture sediment): leukocytes not observed; bacteria not observed; yeasts not observed.

Culture / isolation: no microbial growth.

Method: bacteriological culture on specific media.

PHYSICAL EXAMINATION

Parameter	Result	Reference
Color	Yellow	Yellow
Appearance	Clear	Clear
Specific gravity	1.034	1.005 - 1.030

CHEMICAL EXAMINATION

Parameter	Result	Reference limits
pH	6.0	4.8 - 7.4
Leukocyte esterase	Negative	Negative or < 10 leu/μL
Nitrites	Negative	Negative
Protein	Negative	Negative or < 10 mg/dL
Glucose	Negative	Negative mg/dL
Ketones	Negative	Negative or < 5 mg/dL
Bilirubin	Negative	Negative or < 0.2 mg/dL
Urobilinogen	Negative	Negative or < 1 mg/dL
Hemoglobin	Negative	Negative or < 5 rbc/μL

MICROSCOPIC EXAMINATION

Finding	Result	Reference
Leukocytes	Absent	Absent or 1 - 5 / HPF
Erythrocytes	Absent	Absent or 1 - 2 / HPF
Dysmorphic erythrocytes	Absent	Absent
Casts	Absent	Absent
Crystals	Calcium oxalate	Absent
Squamous epithelial cells	Few	Absent - few
Transitional cells	Few	Absent - few
Renal tubular cells	Absent	Absent - few
Mucous threads	Few	Absent - few
Bacteria	Absent	Absent
Yeasts	Absent	Absent

Method: reflectance spectrophotometry and phase-contrast microscopy.

SUMMARY

Urinalysis without evidence of infection, hematuria, proteinuria, or glucosuria. Calcium oxalate crystals present. Urine culture with no microbial growth.