

Lab21023 Urinalysis, Pediatric with Reflex to Culture

BMC, CRH, LFH, HRK, OCH, FTT, FOX, FXCC



Important Note

For Patients 18 years and younger

Specimen Type

Random Urine

Volume Required

12 mL

Minimum Volume

5 mL

Preferred Container

Random Urine Tube or sterile cup

Storage Requirements

DO NOT USE CHEMICAL PRESERVATIVES

Specimens kept at Room Temperature for > 1 hour are unsuitable for analysis

Refrigerate up to 24 hours

Transportation Needs

Deliver to the laboratory as soon as possible.

If not possible see “Storage Requirements”

Causes for Rejection

Mislabeled or unlabeled specimen

Specimen received in container with chemical preservatives

Specimen at room temperature > 1 hour

Specimen received > 24 hours after collection (if kept refrigerated)

Quantity insufficient for analysis

Interference by chromogen metabolite from certain antibiotics

Gross Hemolysis

Reference Values

Macroscopic			
Parameter	Population	Units	Reference Range
Color	All populations	None	Colorless, Light Yellow, Yellow, Dark Yellow

Appearance	All populations	None	Clear
Specific Gravity	All populations	None	1.000-1.029
pH	All populations	None	5.0-8.0
Protein	All populations	mg/dL	Negative, 10mg/dL, 20 mg/dL
Glucose	All populations	mg/dL	Negative, 30mg/dL, 50mg/dL
Ketone	All populations	mg/dL	Negative, Trace
Bilirubin	All populations	None	Negative
Blood	All populations	None	Negative, Blood
Urobilinogen	All populations	mg/dL	Normal
Nitrite	All populations	None	Negative
Leuk. Esterase	All populations	None	Negative, Trace

Microscopic			
Parameter	Population	Units	Reference Range
RBC's	All populations	#/hpf	0-2
WBC's	All populations	#/hpf	0-2
Squamous Epithelium	All populations	#/hpf	0-5
Transitional Epithelium	All populations	#/hpf	0-3
Renal Epithelium	All populations	#/hpf	None Seen
Bacteria	All populations	#/hpf	None Seen
Crystals	All populations	#/hpf	None Seen
Hyaline Casts	All populations	#/lpf	0-5
All Other Casts	All populations	#/lpf	None Seen
Mucus	All populations	#/lpf	None Seen, 1+, 2+
Sperm	All populations	#/hpf	Absent
Trichomonas	All populations	#/hpf	None Seen
Budding Yeast	All populations	#/hpf	None Seen
Oval Fat Bodies	All populations	#hpf	None Seen

Critical Values
Glucose $\geq$ 150 mg/dL (Pediatric [<18yrs] only).
Ketones $\geq$ 60 mg/dL (Pediatric [<18yrs] only).

Reflex testing

Urine Culture Testing and billing: (See Culture urine or Microbiology: Urine Culture for requirements):

The Urine Culture will be performed and CPT #87086 will be billed if one out of three is present: positive nitrites, positive leukocyte esterase and/or greater than ten WBC/hpf seen on the microscopic.

Available STAT

Yes

Methodology

Microscopic: Manual microscopy, automated using flow cytometry and fluorescence

Macroscopic: Urine reagent strip

Automated Testing

CPT Code

81001