

## LAB21000 Urinalysis, Pediatric

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

#### 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).

#### Available STAT

Yes

#### Methodology

Microscopic: Manual microscopy, automated using flow cytometry and fluorescence

Macroscopic: Urine reagent strip

Automated Testing

**CPT Code**

81001