

URINALYSIS

Orderable - DIPU -> MICU

Turn Around Time: 4 hours

STAT: 1 hour

Alternate Name(s):

Routine
R&M
Routine and Microscopic

Specimen:

Random urine

Collection Information:

Refrigerated urines will be accepted up to 8 hours from collection to received.

MICU cannot be ordered separately, it must be ordered with a DIPU.

MICU is performed no more than once per day per patient. Subsequent MICU orders are cancelled.

Biochemist's approval is required if the ordering physician insists on performing additional MICU per day.

Minimum volume is 2.8 mL.

Hemolyzed urine samples that are not able to give results will be cancelled.

Reference Ranges:

Leukocytes, urine:	0 cells/uL
Specific Gravity, urine:	1.003-1.029
pH, Urine:	4.5-7.5
Protein, Urine:	0.0-0.2 g/L
Glucose, Urine:	0.0-5.5 mmol/L
Ketones, Urine:	0.0-0.5 mmol/L
Blood, Urine:	Negative
Nitrite, Urine:	Negative



Laboratory:
Core Lab



Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Cobas 6500



Test Schedule:
As required



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Interpretive Comments:

Analysis includes macroscopic examination and chemical examination for protein, blood, glucose, ketones, specific gravity, nitrite, leukocytes and blood.

Results from any unrefrigerated urine sample >2 hours may not be accurate due to analyte stability.

A urine microscopic examination will **not** be performed on samples giving a normal dipstick result.
(Except research requests).

Microscopic reference range:

Some erythrocytes, leukocytes and casts are excreted by normal individuals, but they are seen only occasionally in urinary sediments examined microscopically.

- * <5 Red Blood Cells per high power field are considered normal
- * <5 White Blood Cells per high power field are considered normal
- * Occasional Hyaline Casts per high power field are considered normal

Storage and Shipment:

Urine specimen should be fresh and uncentrifuged.

Specimen must be received in laboratory within 2 hours of collection.

Refrigerate the specimen (do not freeze) if you anticipate delays in transportation to the Core Laboratory.

Specimens >8 hours old will auto cancel with auto appended comment, 'Sample stability limit exceeded'.

Urine specimens -> 8 hours old will not be analyzed.