MAYO CLINIC
Mayo Medical Laboratories

Test Definition: RUA

Urinalysis, Complete, Includes Microscopic

Reporting Title: Urinalysis Complete w/ Microscopic
Performing Location: Rochester

Specimen Requirements:

Container/Tube: Plastic urine container
Specimen Volume: 20 mL (minimum volume: 4 mL) from a random urine collection
Collection Instructions: No preservative.

Specimen Type	Temperature	Time
Urine	Refrigerated	72 hours

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
SRC3	Source	Alphanumeric		
APP4	Appearance **Also used by tests: HGB_Q**	Alphanumeric		5767-9
UOSMU	Osmolality, U **Also used by tests: UOSMU**	Numeric	mOsm/kg	2695-5
PHU_	pH, U **Also used by tests: PHU_**	Numeric		2756-5
GLUC	Glucose	Numeric	mg/dL	5792-7
PRO5	Protein	Numeric	mg/dL	5804-0
PR_OS	Protein/Osmolality	Numeric	Ratio	
P24HP	Predicted 24 Hr Protein	Numeric	mg/24 h	
P_RGE	Predicted Range	Numeric	mg/24 h	
UBIL	Bilirubin **Also used by tests: UBILU**	Alphanumeric		5770-3
HGBQL	Hemoglobin, QL **Also used by tests: HGB_Q**	Alphanumeric		5794-3
UREDU	Reducing Substance, U	Alphanumeric		
CMT51	Comment	Alphanumeric		

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
SRC3	Source			Yes	No
APP4	Appearance			Yes	No
UOSMU	Osmolality, U	1	83935	Yes	Yes
PHU_	pH, U	1	83986	Yes	Yes
GLUC	Glucose			Yes	Yes (Order RGLUR)
PRO5	Protein			Yes	Yes (Order RPTU)
PR_OS	Protein/Osmolality			Yes	No
P24HP	Predicted 24 Hr Protein			Yes	No
P_RGE	Predicted Range			Yes	No
UBIL	Bilirubin			No	Yes (Order UBILU)
HGBQL	Hemoglobin, QL			Yes	Yes (Order HGB_Q)
UREDU	Reducing Substance, U			No	Yes (Available separately internally only)
CMT51	Comment			Yes	No

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
MICA	Microscopic Automated			No	No
MICM	Microscopic Manual			No	No

Result Codes for Reflex Tests:

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
MICA	MIC3	Microscopy	Alphanumeric		
MICA	RBC3	RBC	Alphanumeric	/hpf	13945-1
MICA	DRBC1	Dysmorphic RBC	Alphanumeric	%	
MICA	WBC3	WBC	Alphanumeric	/hpf	
MICA	C_HY1	Casts, Hyaline	Alphanumeric	/lpf	
MICA	TEPI2	Transitional Epithelial Cells	Alphanumeric	/hpf	
MICA	EPI2	Squamous Epithelial Cells, U	Alphanumeric	/hpf	
MICA	BACT2	Bacteria	Alphanumeric		
MICA	YEST2	Yeast	Alphanumeric		
MICA	CRYS2	Crystals	Alphanumeric		
MICM	MIC2	Microscopy	Alphanumeric		
MICM	RBC4	RBC	Alphanumeric	/hpf	
MICM	DRBC2	Dysmorphic RBC	Alphanumeric	%	
MICM	WBC4	WBC	Alphanumeric	/hpf	
MICM	C_HY2	Casts, Hyaline	Alphanumeric	/lpf	
MICM	C_GR2	Casts, Granular	Alphanumeric	/lpf	
MICM	C_HG2	Casts, Hemoglobin	Alphanumeric	/lpf	
MICM	C_RB2	Casts, RBC	Alphanumeric	/lpf	
MICM	C_EP2	Casts, Epithelial	Alphanumeric	/lpf	
MICM	C_WX2	Casts, Waxy	Alphanumeric	/lpf	
MICM	C_FT2	Casts, Fatty	Alphanumeric	/lpf	
MICM	C_LE2	Casts, Leukocyte	Alphanumeric	/lpf	
MICM	C_OF2	Casts, Oval Fat Body	Alphanumeric	/lpf	
MICM	FRF2	Fat, Free	Alphanumeric	/hpf	
MICM	FATC2	Fat, in Casts	Alphanumeric	/hpf	
MICM	OFB22	Oval Fat Body	Alphanumeric	/hpf	
MICM	REPT2	Renal Epithelial Cells	Alphanumeric	/hpf	
MICM	TEP2	Transitional Epithelial Cells	Alphanumeric	/hpf	
MICM	EPI22	Squamous Epithelial Cells, U	Alphanumeric	/hpf	

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
MICM	BAC2	Bacteria	Alphanumeric		
MICM	YEAS2	Yeast	Alphanumeric		
MICM	CRY2	Crystals	Alphanumeric		

Reference Values:

Descriptive report