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		N/A
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	In Process
PRO5	Protein	Numeric	mg/dL	N/A
PR_OS	Protein/Osmolality	Numeric	Ratio	N/A
P24HP	Predicted 24 Hr Protein	Numeric	mg/24 h	N/A
P_RGE	Predicted Range	Numeric	mg/24 h	N/A
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		5809-9
CMT51	Comment	Alphanumeric		N/A

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

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

Reference Values:

Descriptive report