MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN
LABORATORIES

Test Update 863

Posted Date 12/06/2023
Effective Date 12/12/2023
Test Name Urinalysis
Update Type Reference range changed
CPT Code 81003/81001/81015

REFERENCE RANGE UPDATE

Urinalysis

Order Codes: UA, UC, RUA, UMAC, UMIC

Fee Code: 35302/BA001/32503 (CPT 81003/81001/81015)

The MLabs Clinical Core Lab will be changing their urinalysis instrument platform effective December 12, 2023. The Arkray AU-4050 system will be replaced by the Sysmex UN-3000, which includes a Siemens CLINITEK Novus chemistry macroscopic analyzer, a Sysmex UF-5000 flow cytometric particle analyzer, and a Sysmex UD-10 digital imaging analyzer. The urinalysis test menu will not change, but there will be a change in how certain parameters will be reported as noted below:

Analyte	Current Reporting Range	New Reporting Range
Squamous Epithelial Cells	Qualitative – Occ, Few, Mod, Many **per LPF**	Semi-quantitative – 0-2/**HPF** to >20/**HPF**
Renal Epithelial Cells	Qualitative – Occ, Few, Mod, Many per HPF	Not present or Present
Granular Casts	Semi-quantitative – 0-2/HPF to >50/HPF	Not present or Present
Cellular Casts	Semi-quantitative – 0-2/HPF to >50/HPF	Not present or Present
WBC Casts	Semi-quantitative – 0-2/HPF to >50/HPF	Not present or Present
RBC Casts	Semi-quantitative – 0-2/HPF to >50/HPF	Not present or Present
Waxy Casts	Semi-quantitative – 0-2/HPF to >50/HPF	Not present or Present
Calcium Oxalate Crystals	Qualitative – Few, Mod, Many per HPF	Not present or Present
Amorphous Crystals	Qualitative – Few, Mod, Many per HPF	Not present or Present
Triple Phosphate Crystals	Qualitative – Few, Mod, Many per HPF	Not present or Present
Uric Acid Crystals	Qualitative – Few, Mod, Many per HPF	Not present or Present
Cystine Crystals	Qualitative – Few, Mod, Many per HPF	Not present or Present
Tyrosine Crystals	Qualitative – Few, Mod, Many per HPF	Not present or Present
Yeast	Qualitative – Occ, Few, Mod, Many per HPF	Not present or Present
Trichomonas	Qualitative – Occ, Few, Mod, Many per HPF	Not present or Present