MAYO CLINIC
Mayo Medical Laboratories

# Test Definition: UMIC

Urinalysis, Microscopic, Osmolality, and pH

**Reporting Title:** Urinalysis, Microscop,Osmolality,pH
**Performing Location:** Rochester

## Specimen Requirements:

Container/Tube: Plastic, 60-mL urine bottle
Specimen Volume: 20 mL
Collection Instructions: Collect a random urine specimen.

| Specimen Type | Temperature | Time |
|---|---|---|
| Urine | Refrigerated | 72 hours |

## Result Codes:

| Result ID | Reporting Name | Type | Unit | LOINC® |
|---|---|---|---|---|
| SRC3 | Source | Alphanumeric | | N/A |
| APP4 | Appearance<br>**Also used by tests: HGB_Q** | Alphanumeric | | 5767-9 |
| UOSMU | Osmolality, U<br>**Also used by tests: UOSMU** | Numeric | mOsm/kg | 2695-5 |
| PHU_ | pH, U<br>**Also used by tests: PHU_** | Numeric | | 2756-5 |
| UBIL | Bilirubin<br>**Also used by tests: UBILU** | Alphanumeric | | 5770-3 |
| HGBQL | Hemoglobin, QL<br>**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 |

| Test ID | Reporting Name | CPT Units | CPT Code | Always Performed | Orderable Separately |
|---|---|---|---|---|---|
| APP4 | Appearance | | | Yes | No |
| UOSMU | Osmolality, U | 1 | 83935 | Yes | Yes |
| PHU_ | pH, U | 1 | 83986 | Yes | Yes |
| UBIL | Bilirubin | | | No | Yes (Order UBILU) |
| HGBQL | Hemoglobin, QL | | | Yes | Yes (Order HGB_Q) |
| UREDU | Reducing Substance, U | | | No | Yes (Only for internal practice) |
| CMT51 | Comment | | | Yes | No |

## Reflex Tests:

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

## Result Codes for Reflex Tests:

| Test ID | Result ID | Reporting Name | Type | Unit | LOINC® |
|---|---|---|---|---|---|
| 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 |

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

## Reference Values:

Descriptive report