

# PUBS Testing at UVMHC

Effective 3/20/2023, UVMHC's Hematology Laboratory will offer hematocrit and MCV testing on Percutaneous Umbilical Blood Sampling (PUBS) specimens. There will be two orderables; one for pre-transfusion and another for post-transfusion. These tests are set up so that there will be no unintended, duplicate cancelling of orders. The results will map to unique spots in the results tree, clearly distinguishing them from the maternal hematocrit results as seen below. There will be no reference ranges provided for these new tests.

| 3/10/23<br>12:15 | 3/10/23<br>12:36 | 3/10/23<br>12:40 |                           |
|------------------|------------------|------------------|---------------------------|
|                  |                  |                  | <b>ENDOCRINE</b>          |
|                  |                  |                  | Quant Beta HCG, Preg      |
|                  |                  |                  | <b>ROUTINE HEMATOLOGY</b> |
|                  |                  | 10.00            | WBC                       |
|                  |                  | 5.00             | RBC                       |
|                  |                  | 15.0             | Hemoglobin                |
|                  |                  | 45.0 ^           | HCT                       |
|                  |                  | 85               | MCV                       |
|                  |                  | 31.2             | MCH                       |
|                  |                  | 33.4             | MCHC                      |
|                  |                  | 12.5             | RDW-CV                    |
|                  |                  | 42.0             | RDW-SD                    |
|                  |                  | 375              | PLT                       |
|                  |                  | 10.5             | MPV                       |
| 35               |                  |                  | Pre-PUBS Fetal HCT        |
| 110              |                  |                  | Pre-PUBS Fetal MCV        |
|                  | 58               |                  | Post-PUBS Fetal HCT       |
|                  | 90               |                  | Post-PUBS Fetal MCV       |

New orderables for PUBS testing:

| New Orderable        | Epic Code   | Atlas Code  | Mayo Access ID | Order LOINC | CPT Code  |
|----------------------|-------------|-------------|----------------|-------------|-----------|
| Pre-PUBS HCT and MCV | LAB17591    | N/A         | N/A            | 4544-3      | 85014     |
| Container            | Specimen    | Temperature | Collect Vol    | Submit Vol  | Stability |
| Lavender Top (EDTA)  | Whole Blood | Ambient     | 0.5 mL         | 0.5 mL      | 48 hours  |

| New Orderable         | Epic Code   | Atlas Code  | Mayo Access ID | Order LOINC | CPT Code  |
|-----------------------|-------------|-------------|----------------|-------------|-----------|
| Post-PUBS HCT and MCV | LAB17592    | N/A         | N/A            | 4544-3      | 85014     |
| Container             | Specimen    | Temperature | Collect Vol    | Submit Vol  | Stability |
| Lavender Top (EDTA)   | Whole Blood | Ambient     | 0.5 mL         | 0.5 mL      | 48 hours  |

For questions regarding these new tests, please contact UVMHC's Medical Director of the Hematology Laboratory Dr. Joanna Conant, at (802) 847-6700.

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