

**To All Medical
Laboratory Users:**

**This edition of the Lab
Med Update has the
following articles:**

- Venous and Arterial Cord Blood for OB/GYN, pg. 1-2
- Updated Thyroid reference ranges, Pg. 2



MEDICAL LABORATORIES

Laboratory Medicine Update November 2020

Venous and Arterial Cord Blood for OB/GYN

Effective Tuesday, December 8, 2020

The Core Laboratory has set up two new test codes for ease of ordering and reporting results for Cord Blood specimens. The tests are available 24 hours per day.

Cord Blood, Venous (LAB6306) - replaces Venous Blood Gas (LAB79) + comment CORD BLOOD
Cord Blood, Arterial (LAB6305) - replaces Blood Gas, Arterial (LAB76) + comment CORD BLOOD

Specimen Requirements:

Preferred sample: Heparinized syringe. Labeling requirement is the same. Match label to correct syringe source (venous/arterial).

Minimum collection volume: 1.0 mL whole blood. Expel air from syringe and cap immediately. Syringe must be free from bubbles and clots. Transport to laboratory immediately.

Specimen Stability: Room temperature for 10 minutes; on ice for 2 hours. Send on ice if unable to transport to laboratory immediately.

- **IF YOU HAVE AN ARTICLE(S)
YOU WOULD LIKE TO SHARE
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The tests will now be reported with validated reference intervals.

		Cord Blood, Arterial	Cord Blood, Venous
	units	LAB6305	LAB6306
pH		7.12-7.35	7.23-7.44
pCO ₂	mmHg	41.9-73.5	28.8-53.3
pO ₂	mmHg	6.2-27.6	16.4-40.0
Bicarbonate	mmol/L	18.8-28.2	17.2-25.6
Base Excess	mmol/L	-9.3-1.5	-8.3-2.6

Updated Thyroid Reference Ranges

Adult reference ranges for Total T3 and Free T3 have been updated to reflect a change from a 2 point calibration to a 6 point calibration. This change resulted in a slight shift in the reference range for adults.

