

ROTUNDA HOSPITAL DEPARTMENT OF LABORATORY MEDICINE
POCT/NPT Active Test Repertoire Table LF-GEN-0076 Ed 01

Please note: Asterisk denotes the **default reference range** which prints on the blood gas analyser report, or appears on the glucose meter or Hb meters. Reference Ranges on the POC/NPT devices are not configurable according to pregnancy status. Similarly reference ranges that print on the blood gas analyser report do not apply to cord blood or fetal scalp samples and cannot be configured for same until devices are interfaced. See table below for age, pregnancy status and sample type related Reference Ranges.

Results should be interpreted in relation to agreed clinical decision limits. Where a POC/NPT result warrants clinical intervention, or where the care giver is not reassured by the result, a sample should be sent to the laboratory for confirmation

TEST	SAMPLE TYPE	SPECIAL PRECAUTIONS	REFERENCE RANGE	Reference	INAB ACCREDITED TEST REG NO 208MT
pH	Venous, Arterial, Capillary, Cord vein/artery, fetal scalp Via Syringe, capillary tube, as appropriate	Ensure no air pockets Syringe Sample-mix well by inverting several times and rolling between palms. Expel first drop of blood onto tissue. Ensure blood is at top of syringe before sampling. Capillary tube samples- Ensure no air pockets Fetal Scalp tube-Ensure the end of tube that has touched baby's scalp is not presented to analy	* Default, Whole Blood *Arterial 7.35-7.45 Venous 7.32-7.43 Cord Blood Arterial 7.18-7.38 Venous 7.25-7.45 Fetal Scalp >/= 7.25 Normal 7.21-7.24 Borderline </= 7.2 Abnormal Result	1 1 2	Yes
pCO ₂	Venous, Arterial, Capillary, Cord vein or artery, Fetal scalp. Via Syringe or capillary tube, as appropriate	Ensure no air pockets Syringe Sample-mix well by inverting several times and rolling between palms. Expel first drop of blood onto tissue. Ensure blood is at top of syringe	*Default , Whole Blood, Arterial *4.3-6.0 kPa Infant WB Arterial 3.6-5.5kPa	1 1	Yes

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<p style="text-align: center;">pO₂</p>	<p>Venous, Arterial, Capillary, Cord vein or artery, Fetal scalp.</p> <p>Via Syringe , capillary tube, as appropriate</p>	<p>Ensure no air pockets</p> <p>Syringe Sample-mix well by inverting several times and rolling between palms. Expel first drop of blood onto tissue. Ensure blood is at top of syringe before sampling.</p> <p>Capillary tube samples- Ensure no air pockets</p> <p>Fetal Scalp -Ensure the end of tube that has touched baby's scalp is not presented to analyser.</p>	<p>Default: 2 days-60 years Whole Blood 11.04-14.4 kPa</p> <p>Cord Blood Arterial 0.8-4.1kPa Venous 2.3-5.5kPa</p>	<p>1</p> <p>1</p>	<p>Yes</p>
<p style="text-align: center;">Sodium</p>	<p>Venous, Arterial, Capillary. Via syringe or capillary tube, as appropriate.</p>	<p>Ensure no air pockets in sample</p> <p>Syringe Sample-mix well by inverting several times and rolling between palms. Expel first drop of blood onto tissue. Ensure blood is at top of syringe before sampling.</p>	<p>*Default: Adult, Serum,Plasma : 136-145.0mmol/L</p> <p>Pregnant, Li-Hep Plasma 133-143 mmol/L</p> <p>Non pregnant, Li-Hep Plasma 133-146 mmol/L</p> <p>Infants, Li-Hep Plasma 133-144 mmol/L</p>	<p>1</p> <p>3</p> <p>4</p> <p>5</p>	<p>Yes</p>
<p style="text-align: center;">Potassium</p>	<p>Venous, Arterial, Capillary Via Syringe or capillary tube, as appropriate</p> <p>Venous, Arterial, Capillary,</p>	<p>Ensure no air pockets</p> <p>Syringe Sample-mix well by inverting several times and rolling between palms. Expel first drop of blood onto tissue. Ensure blood is at top of syringe before sampling.</p> <p>Vacutainer-mix by inverting and rolling several times. Sample via sample adaptor</p> <p>Ensure no air pockets</p>	<p>*Default : Adult, serum, plasma 3.5-5.1mmol/L</p> <p>*Pregnant, Li-Hep Plasma *3.5-5.3mmol/L</p> <p>Non Pregnant, Li-Hep Plasma 3.5-5.3mmol/L</p> <p>Neonate, Li-hep Plasma 3.5-5.5mmol/L</p> <p>*Default : Adult, serum, plasma</p>	<p>1</p> <p>3</p> <p>4</p> <p>5</p> <p>1</p>	<p>Yes</p> <p>Yes</p>

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Chloride	Via Syringe or capillary tube as appropriate	Syringe Sample-mix well by inverting several times and rolling between palms. Expel first drop of blood onto tissue. Ensure blood is at top of syringe before sampling.	98-107mmol/L Pregnant, Li-hep Plasma 95-108mmol/L Non-Pregnant 95-108mmol/L Neonates, Li-Hep plasma 98-110mmol/L	1 4 4 5	
Glucose-Blood Gas Analyser:	Venous, Arterial, Capillary. Via Syringe or capillary tube, as appropriate	Ensure no air pockets Syringe Sample-mix well by inverting several times and rolling between palms. Expel first drop of blood onto tissue. Ensure blood is at top of syringe before sampling.	* Default: Pregnant, non pregnant Fasting, neonates Plasma 3.0-5.1mmol/L	6	Yes
Glucose Glucose Meter	Wholeblood- Fingerprick/Heel Prick (results are plasma equivalent)	Do not wipe puncture site with alcohol wipe before sampling Use sterile water to clean Sample site	* Default: Pregnant, non pregnant fasting, & neonates Plasma 3.0-5.1mmol/L	6	Yes
Lactate Lactate Contd..	Venous, Arterial, Capillary, Via Syringe or capillary tube , as appropriate	Ensure no air pockets Syringe Sample-mix well by inverting several times and rolling between palms. Expel first drop of blood onto tissue. Ensure blood is at top of syringe before sampling. Capillary tube samples-Ensure No air pockets	*Default: Adult WB heparin Venous 0.6-1.4mmol/L Arterial 0.4-0.8mmol/L At Birth Umbilical Artery 1.6-5.5 mmol/L Umbilical Vein 1.2-5.0mmol/L Neonates <2.9mmol/L	1 7 8	Yes

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<p style="text-align: center;">Ionised Calcium</p>	<p>Venous, Arterial, Capillary Via Syringe or capillary tube as appropriate</p>	<p>Ensure no air pockets</p> <p>Syringe Sample-mix well by inverting several times and rolling between palms. Expel first drop of blood onto tissue. Ensure blood is at top of syringe before sampling.</p> <p>Capillary tube samples-Ensure no air pockets</p>	<p>* Adult. WB (Heparin) 1.18 -1.32mmol/L</p> <p>0-1month 1.0-1.5mmol/L</p> <p>1-6 months 0.95-1.5mmol/L</p>	<p style="text-align: center;">9</p>	<p style="text-align: center;">Yes</p>
<p style="text-align: center;">Bilirubin</p>	<p>Venous, Arterial, Capillary Via Syringe or capillary tube as appropriate</p>	<p>Ensure no air pockets</p> <p>Syringe Sample-mix well by inverting several times and rolling between palms. Expel first drop of blood onto tissue. Ensure blood is at top of syringe before sampling.</p> <p>Capillary tube samples-Ensure no air pockets</p>	<p>*Default : Adult, serum, plasma <21 umol/L</p> <p>Non pregnant, Li-hep Plasma <21umol/L</p> <p>Pregnant, Li-hep Plasma <21umol/L</p> <p>Neonates, Li-hep Plasma <17umol/L</p> <p>*Default , WB EDTA 100-160g/L</p> <p>Pregnant, Whole Blood EDTA 100-160g/L</p>	<p style="text-align: center;">10</p> <p style="text-align: center;">10</p> <p style="text-align: center;">10</p> <p style="text-align: center;">5</p>	<p style="text-align: center;">Yes</p>
<p style="text-align: center;">Hb-Blood Gas Analyser</p>	<p>Venous, Arterial, Capillary, Via Syringe or Capillary tube, as appropriate</p>	<p>Ensure no air pockets</p> <p>Syringe Sample-mix well by inverting several times and rolling between palms. Expel first drop of blood onto tissue. Ensure blood is at top of syringe before sampling.</p>	<p>Non-Pregnant, whole blood EDTA 120-160g/L</p> <p>Infant Whole Blood EDTA</p> <p>Day 0-2 : 135-195g/L Day 2-4 : 145-255g/L Day 5-8: 135-215g/L Day 9-21: 125-205g/L Day 22-35:110-180g/L Week 6-9 : 90-140g/L</p>	<p style="text-align: center;">11</p> <p style="text-align: center;">11</p> <p style="text-align: center;">11</p>	<p style="text-align: center;">Yes</p>

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Hb-Hemocue Hb meter	Finger Prick/heel Prick	Expel first 2-3 drops from puncture site before sampling. Wipe cuvette with tissue before sampling-ensure no blood is drawn out of cuvette. Ensure cuvette is completely Filled and free from air bubbles	Week 10-Month 18: 110-135g/L *Pregnant, EDTA Whole Blood 100-160g/L	11	Yes
			Non-Pregnant, EDTA Whole Blood 120-160g/L	11	
			Infant EDTA Whole Blood Day 0-2 : 135-195g/L Day 2-4 : 145-255g/L Day 5-8: 135-215g/L Day 9-21: 125-205g/L Day 22-35:110-180g/L Week 6-9 : 90-140g/L Week 10-Month 18: 110-135g/L	11	
				11	
MethHb	Venous, Arterial. Capillary. Via Syringe or capillary tube as appropriate	Ensure no air pockets Syringe Sample-mix well by inverting several times and rolling between palms. Expel first drop of blood onto tissue. Ensure blood is at top of syringe before sampling.	*Pregnant, Non Pregnant, Infant, Whole Blood *0.0-1.5%	1	Yes
Covid POC Abbott ID Now	Nasal Swab	Inset swab until you meet resistance. Touch swab off nasal wall and rotate several times, repeat with same swab on both nostrils	N/A		No
Pregnancy testing-urine	Urine	First morning urine recommended as is contains highest conc. of hcg. Not less than 1ml of sample.	N/A Sensitivity of 25mIU/ml	12	No

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