

19 March 2014

Re: CN0042: Reference Range Changes

Dear Colleague,

MedLab Pathology (MLP) would like to advise that in line with current guidelines reference ranges for the tests listed below have been reviewed and updated. This change will be in effect from **14 April 2014**. This change will be highlighted on our reports for a period of three months.

TEST NAME	TEST ABBREV.	UNITS	GENDER/AGE	CURRENT REFERENCE INTERVAL#/ POSITIVE CUT OFF	NEW REFERENCE INTERVAL#/ POSITIVE CUT OFF
GLUCOSE RANDOM	GLU - RANDOM	mmol/L	FEMALE 18-115 yrs.	4.5-6.0	<7.8
CALCIUM CORRECTED	CORRCA	mmol/L	MALE/FEMALE 18-115 yrs.	2.15-2.55	2.15-2.55
CALCIUM	CALCIUM	mmol/L	MALE/FEMALE 18-115 yrs.	VARIOUS	2.15-2.55
ISE - CHLORIDE	ISE - Chloride	mmol/L	MALE/FEMALE 65-115 yrs.	98-107	98-107
ISE - CHLORIDE	ISE - Chloride	mmol/L	MALE/FEMALE 18-65 yrs.	96-108	98-107
ISE - POTASSIUM	ISE - Potassium	mmol/L	MALE/FEMALE 60-115 yrs.	3.5-5.1	3.5-5.1
ISE - POTASSIUM	ISE - Potassium	mmol/L	MALE/FEMALE 18-60 yrs.	3.3-5.1	3.5-5.1
ISE - SODIUM	ISE - Sodium	mmol/L	MALE/FEMALE 65-115 yrs.	136-145	136-145
ISE - SODIUM	ISE - Sodium	mmol/L	FEMALE 18-65 yrs.	132-145	136-145
PHOSPHATE	PHOS	mmol/L	MALE/FEMALE 18-115 yrs.	0.84-1.45	0.80-1.45
UREA	UREA	mmol/L	MALE/FEMALE 18-115 yrs.	2.76-8.07	2.7-8.0
URIC ACID	UA	μmol/L	MALE 18-115 yrs.	202.3-416.5	200-415
URIC ACID	UA	μmol/L	FEMALE 18-115 yrs.	142.8-339.2	140-340
βeta-HCG	BHCG	IU/L	FEMALE 18-115 yrs.	<7	<1
FREE T3	FT3	pmol/L	MALE 21-115 yrs.	4.1-6.7	3.1-6.8
FREE T3	FT3	pmol/L	FEMALE 21-115 yrs.	3.6-6.4	3.1-6.8
FREE T3	FT3	pmol/L	MALE/FEMALE 18-20 yrs.	3.93-7.70	3.1-6.8
FREE T4	FT4	pmol/L	MALE/FEMALE 21-115 yrs.	12.3-20.2	12.0-22.0
FREE T4	FT4	pmol/L	MALE/FEMALE 18-20 yrs.	12.6-21.0	12.0-22.0
THYROID STIMULATING HORMONE	TSH	mIU/L	MALE/FEMALE 21-115 yrs.	0.27-4.2	0.27-4.20
THYROID STIMULATING HORMONE	TSH	mIU/L	MALE/FEMALE 18-20 yrs.	0.51-4.3	0.27-4.20

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 Directors: Eamonn Madden (Irish), David Byrne (British), Colin Goldschmidt (Australian), Christopher Wilks (Australian).
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THYROXINE (T4)	T4	nmol/L	MALE/FEMALE 21-115 yrs.	66-181	66-181
THYROXINE (T4)	T4	nmol/L	MALE/FEMALE 18-20 yrs.	76.1-170	66-181
TESTOSTERONE	TESTO	nmol/L	MALE 50-115 yrs.	6.68-25.7	9.5-28.3
TESTOSTERONE	TESTO	nmol/L	MALE 20-49 yrs.	8.64-29.0	11.4-27.9
TESTOSTERONE	TESTO	nmol/L	MALE 18-20 yrs.	9.90-27.8	11.4-27.9
TESTOSTERONE	TESTO	nmol/L	FEMALE 50-115 yrs.	0.101-1.42	0.1-1.4
TESTOSTERONE	TESTO	nmol/L	FEMALE 20-49 yrs.	0.290-1.67	0.3-1.7
TESTOSTERONE	TESTO	nmol/L	FEMALE 18-20 yrs.	0.22-2.90	0.3-1.7

Please note this bulletin is also available at www.medlabpathology.ie.

Please do not hesitate to contact me with any further queries you may have.

Kind regards,



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