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TO: **REFERRING CLIENTS**

FROM: Barb Baltzer, Coordinator
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DATE: May 15, 2012

SUBJECT: **Macroprolactin – Change in reporting**

The detection and reporting of Macroprolactin will change **effective May 22, 2012**.

It has been recommended that monomeric prolactin be reported along with total prolactin (Clin Chem (2010) 56: 484-490). We have verified the published reference interval (Clin Chem (2008) 54: 1673-1681) and will now be using the following form of reporting:

<u>Test</u>	<u>Result</u>	<u>Flag</u>	<u>Reference</u>
PROLACTIN	32.2	H	< 24.0 ug/L
MONOMERIC PROL	15.1		3.5-17.9 ug/L

MACROPROLACTIN

The presence of macroprolactin is suggested by a discrepancy between the prolactin result and the monomeric prolactin result. Previously we reported a recovery of < 50% as suggestive of macroprolactinemia. The reference interval provided for monomeric prolactin is a more accurate guide for clinical interpretation.

The reference intervals for monomeric prolactin are:

Male: 3.0 – 11.5 ug/L
Female: 3.5 – 17.9 ug/L

The reference intervals for prolactin remain:

Male: < 18.0 ug/L
Female: < 24.0 ug/L

For further information, please contact:

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