

**To:** Clients of URMCLabs

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**Re:** Growth Hormone Testing

**Date:** May 17, 2011

The manufacturer of our current Growth Hormone assay (Siemens Healthcare Diagnostics) has made a change in the standardization of their assay to the recombinant Second International Standard 98/574. As a result, effective May 18<sup>th</sup> when we switch to this new standardization assay, results of the Growth Hormone testing will be approximately 25% lower than those results obtained with our current standardization assay. There will not be any change to the reference range for Growth Hormone (see below).

If you have any questions, please contact Dr. Kwong via the contact information listed above or the Automated Lab Chief Supervisor Barbara A. Meiklejohn @ x5-2435 or via e mail to: [Barbara\\_Meiklejohn@URMC.Rochester.edu](mailto:Barbara_Meiklejohn@URMC.Rochester.edu)

Growth Hormone Ranges (ng/ml)		
Age	Males	Females
1-7 days	1.18-27	2.4-24
8-15 days	0.69-17.3	1.07-17.6
1-3 years	0.43-2.4	0.50-3.5
4-6 years	0.09-2.5	0.10-2.2
7-8 years	0.15-3.2	0.16-5.4
9-10 years	0.09-1.95	0.08-3.1
11 years	0.08-4.7	0.12-6.9
12 years	0.12-8.9	0.14-11.2
13 years	0.10-7.9	0.21-17.8
14 years	0.09-7.1	0.14-9.9
15 years	0.10-7.8	0.24-10.0
16 years	0.08-11.4	0.26-11.7
17 years	0.22-12.2	0.30-10.8
18-19 years	0.97-4.7	0.24-4.3
Adults	0.06-5.0	0.06-5.0
Tanner stage 1	0.12-2.8	0.24-5.4
Tanner stage 2-3	0.10-5.7	0.13-8.5
Tanner stage 4	0.07-7.9	0.14-13.4
Tanner stage 5	0.10-15.1	0.24-9.9