



**Genzyme update on supply of Thyrogen® (thyrotropin alfa for injection)**

December 22, 2011

To the Thyroid Cancer treatment community:

As we approach the end of the year, we would like to provide an update on our expectations for Thyrogen availability during 2012. A major goal of our effort to improve Thyrogen availability is to maintain consistent supply levels throughout the year to enable physicians to better manage their scheduling of patients. As a result of the progress we have made in our manufacturing operations, we anticipate the ability to deliver a more consistent and predictable level of Thyrogen supply in 2012.

While we still anticipate supply constraints for 2012 (based on historical demand estimates), the global level of supply will represent an improvement over 2011. Genzyme estimates that the level of supply for 2012 translates to achieving 60-80% of levels that were supplied globally in 2010, the year preceding the supply shortage.

As supply continues to stabilize, we advise health care providers to proactively try and acquire Thyrogen through their normal distribution channels. We continue to advise health care providers not to schedule any new Thyrogen treatments until they have secured product.

Please contact your distribution partner to order Thyrogen, and for additional information as we expect regional variations on the availability of Thyrogen to occur. Since there is limited inventory, changes to our current manufacturing plan can impact the timing of Thyrogen availability.

We understand that 2011 was a difficult year, and we regret that our constraints will continue in 2012. Genzyme is investing in increasing our manufacturing capacity, and working to reduce the time it takes to release Thyrogen from our facilities. We understand the importance of having Thyrogen available to patients, and our primary focus remains on restoring uninterrupted supply of product.

We hope this information is useful to you as you plan out your year, and please contact us for additional details for how we can accommodate your specific needs. Thank you for your ongoing patience, and we look forward to working closely with you in 2012.