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DATE: September 17, 2004

TO: Scientific Advisory Committee on Alternative Toxicological  
Methods (SACATM)

FROM: Director, NTP Interagency Center for the Evaluation of Alternative  
Toxicological Methods (NICEATM)

SUBJECT: Estimation of the Underprediction Rates for the *In Vivo* Rabbit Dermal  
Irritation Assay

At the October 20 SACATM meeting, Dr. Joe Haseman and I will present the results of an analysis conducted by NICEATM to estimate the likelihood of underpredicting dermal irritation when using the current three animal test methods. The analysis was conducted in a similar manner to the analysis of underprediction of corrosivity, which was presented and discussed at the March 2004 SACATM meeting.

The data, methods, results, and conclusions for this analysis are described in the attached poster materials from the 2004 SOT meeting. Table 2 summarizes the individual animal responses for 164 chemicals tested in 197 studies. Data were obtained from the ECETOC Technical Report No. 66: Skin Irritation and Corrosion: Reference Chemicals Data Bank (ECETOC, 1995).

We look forward to your comments and suggestions at the upcoming meeting.

William S. Stokes, D.V. M.

Attachments