



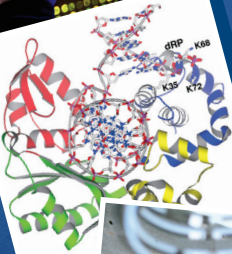
**NTP**  
National Toxicology Program



# NICEATM and ICCVAM



*...advancing  
public health and  
animal welfare*



NTP Interagency Center for the Evaluation of Alternative Toxicological Methods  
and

Interagency Coordinating Committee on the Validation of Alternative Methods

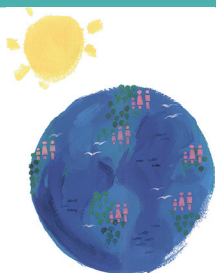
National Institute of Environmental Health Sciences, Research Triangle Park, NC

**NICEATM and ICCVAM promote the development, validation and regulatory acceptance of new and revised safety testing methods that:**

- *Reduce, refine, or replace the use of animals in testing*
- *Maintain and promote scientific quality and the protection of human health, animal health, and the environment*

**We do this by:**

- *Conducting and coordinating interagency reviews of new and revised toxicological test methods that apply to regulatory testing requirements*
- *Coordinating cross-agency issues on validation, acceptance, and national and international harmonization of new and revised toxicological test methods*
- *Ensuring that new and revised test methods are adequately validated to meet the needs of U.S. Federal agencies*



The NICEATM-ICCVAM graphic symbolizes the important role of new and alternative toxicological methods in protecting and advancing the health of people, animals, and the environment.



## What are NICEATM and ICCVAM?

The Interagency Coordinating Committee on the Validation of Alternative Methods (ICCVAM) consists of scientists representing 15 U.S. Federal regulatory and research agencies that use, generate, or disseminate toxicological information.

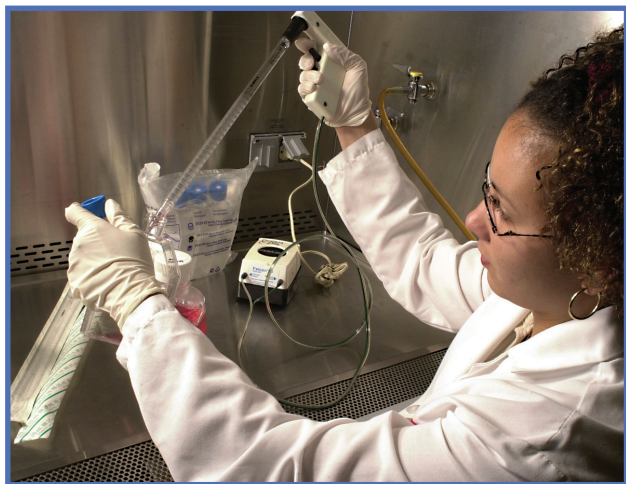
ICCVAM was formed in 1997 by the National Institute of Environmental Health Sciences (NIEHS), a part of the National Institutes of Health (NIH). In 2000, the ICCVAM Authorization Act established ICCVAM as a permanent interagency committee of NIEHS under the NTP Interagency Center for the Evaluation of Alternative Toxicological Methods (NICEATM).

NICEATM is the organizational component of NIEHS that provides scientific and operational support for ICCVAM. NICEATM works closely with ICCVAM to:

- Carry out test method evaluations
- Organize workshops and peer reviews
- Communicate with ICCVAM stakeholders

## What are the major duties of NICEATM and ICCVAM?

- Evaluate the scientific validity of new, revised, and alternative safety testing methods
- Provide recommendations on test method usefulness and limitations to U.S. Federal agencies
- Provide guidance on test method development and scientific validation
- Develop standardized protocols for new and revised test methods
- Identify reference substances for test method validation studies
- Develop performance standards for new test methods
- Collaborate with other national and international validation and test guideline organizations
- Communicate findings to regulatory agencies, the scientific community, and other stakeholders





## What test methods have been evaluated by ICCVAM?

### Examples include:

- **Skin sensitization**
  - Local lymph node assay (LLNA)
  - Reduced LLNA
  - Non-radioactive LLNA protocols
- **Acute oral toxicity**
  - Up-and-down procedure
  - *In vitro* methods to set starting doses
- **Endocrine disruption**
  - *In vitro* estrogen receptor assays
  - *In vitro* androgen receptor assays
- **Pyrogenicity**
  - Five *in vitro* pyrogen tests
- **Skin corrosivity**
  - Corrositex®
  - EpiSkin™
  - EpiDerm™
  - SkinEthic™
  - Rat skin transcutaneous electrical resistance assay
- **Ocular toxicity:**
  - Isolated rabbit eye test
  - Isolated chicken eye test
  - Bovine corneal opacity and permeability test
  - Hen's egg test – choriallantoic membrane test

ICCVAM and Federal regulatory agencies have approved or endorsed 18 alternative test methods. ICCVAM and its member agency scientists have contributed to the review of all of these alternative methods.

# ICCVAM Member Agencies:

- Consumer Product Safety Commission
- Department of Agriculture
- Department of Defense
- Department of Energy
- Department of Health and Human Services
  - Centers for Disease Control and Prevention
    - Agency for Toxic Substances and Disease Registry
    - National Institute for Occupational Safety and Health
  - Food and Drug Administration
  - National Institutes of Health
    - Office of the Director
    - National Institute of Environmental Health Sciences
    - National Cancer Institute
    - National Library of Medicine
- Department of the Interior
- Department of Labor
  - Occupational Safety and Health Administration
- Department of Transportation
- Environmental Protection Agency

More information about ICCVAM and NICEATM can be found on the NICEATM-ICCVAM web site:

<http://iccvam.niehs.nih.gov>

or obtained by contacting NICEATM:

telephone: [919] 541-2384,

e-mail: [niceatm@niehs.nih.gov](mailto:niceatm@niehs.nih.gov)



**NIIEHS**  
National Institute of  
Environmental Health Sciences



**NTP**  
National Toxicology Program



U.S. Department of Health and Human Services  
National Institutes of Health