

JaCVAM topics

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JaCVAM (Japanese Center for the Validation of Alternative Methods) was established in the division of Pharmacology, National Center for Biological Safety Research Center, NIHS (National Institutes of Health Sciences) since a year, November 2005. The missions of this center are to perform research and develop new *in vitro* test methods, to use professional standards for the validation and evaluation of new alternative methods and to act internationally.

Within just one year, JaCVAM has been supported by the Health and Labour Sciences Research Grants and continues to perform various collaboration with the Japanese Society of Alternatives to Animal Experiments (JSAAE), the Japanese Environmental Society, Mammalian Mutagen Study (JEMS-MMS), ICCVAM (Interagency Coordinating Committee on the Validation of Alternative Methods), ECVAM (European Center for the validation of Alternative Methods), Japanese Cosmetic Industry Association (JCIA) and many researchers in various companies.

The several validation assays and peer review as follows are now under way.

1. Non-RI LLNA (LLNA DA and LLNA-BrdU) -Validation study is currently on going.
2. *In vitro* sensitization test (h-CLAT)
- Pre-validation study with several cosmetic companies is in progress.
3. *In vitro* corrosive test using 3-dimensional skin models -Peer review process is finished.
4. *In vitro* skin irritation test using 3-dimensional skin models -Peer review is expected soon.
5. *In vitro* photoirritation test (Shiseido method) -Catch-up validation is finished.
6. Endocrine disrupter screening
 - 1) HeLa reporter gene assay -Assist in the draft report of validation study
 - 2) Lumi cell assay -Phase I in the International validation study
7. Comet assay -Development of protocol in the validation management team