



## Immunotoxicity: Allergic Contact Dermatitis



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Publications and Presentations on NICEATM-ICCVAM Evaluations of the Murine Local Lymph Node Assay for Identification and Classification of Sensitizers

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## Updated LLNA Protocol

2009

Matheson J, Wind M, Jacobs A, Allen D, Burns T, Salicru E, Strickland J, Tice R, Stokes W. 2009. The Updated ICCVAM Recommended Murine Local Lymph Node Assay Protocol. Seventh World Congress on Alternatives and Animal Use in the Life Sciences.  
[View abstract \[PDF\]](#).  
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## LLNA Performance Standards

2009

Stokes W, Wind M, Matheson J, Jacobs A, Casati S, Kojima H, Allen D, Burns T, Salicru E, Strickland J, Tice R. Internationally Harmonized Performance Standards for the Murine Local Lymph Node Assay. Seventh World Congress on Alternatives and Animal Use in the Life Sciences.  
[View abstract \[PDF\]](#).  
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Matheson J, Stokes W, Wind M, Jacobs A, Allen D, Burns T, Salicru E, Strickland J, Tice R. ICCVAM Performance Standards for the Murine Local Lymph Node Assay. 48th Annual Meeting of the Society of Toxicology.  
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## Reduced LLNA Method

2009

M Wind, J Matheson, A Jacobs, R Tice, W Stokes. 2009. ICCVAM Test Method Recommendations for the Reduced LLNA. Seventh World Congress on Alternatives and Animal Use in the Life Sciences.  
[View abstract \[PDF\]](#).  
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M Wind, J Matheson, A Jacobs, R Tice, W Stokes. 2009. ICCVAM Test Method Recommendations for the Reduced LLNA: An Alternative Test Method Using Fewer Animals to Assess the Allergic Contact Dermatitis Potential of Chemicals and Products. 48th Annual Meeting of the Society of Toxicology.  
[View abstract \[PDF\]](#).  
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2008

Stokes W, Allen D, Burns T, Choksi N, Matheson J, Jacobs A, Tice R. 2008. Performance Characteristics of the Local Lymph Node Assay (LLNA) Limit Dose Procedure 47th Annual Meeting of the Society of Toxicology.  
[View abstract \[PDF\]](#).  
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## LLNA Use to Assess Sensitization Potency

2011

P. Brown; J. Matheson; A. Jacobs; T. McMahon; D. Germolec; M. Wind; W. Stokes. 2011. ICCVAM Evaluation of the Local Lymph Node Assay (LLNA) for Potency Categorization of Chemicals Causing Allergic Contact Dermatitis in Humans. 50th Annual Meeting of the Society of Toxicology.  
[View abstract \[PDF\]](#).  
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2010

J Strickland, J Matheson, M Wind, A Jacobs, F Stack, D Allen, W Stokes. 2010. Using the Murine Local Lymph Node Assay to Categorize Strong Skin Sensitizers. 49th Annual Meeting of the Society of Toxicology.  
[View abstract \[PDF\]](#).  
[View poster \[PDF\]](#).  
[View text version of poster \[PDF\]](#)

## Non-radioactive LLNA Methods

2011

A. Jacobs; J. Matheson; M. Wind; V. Malshet; J. Toy; W. Stokes. 2011. ICCVAM Evaluation and Recommendations on the Nonradioactive LLNA: BrdU-ELISA for Evaluating Allergic Contact Dermatitis Hazards. 50th Annual Meeting of the Society of Toxicology.  
[View abstract \[PDF\]](#).  
[View poster \[PDF\]](#).  
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J. Matheson; A. Jacobs; M. Wind; P. Brown; R. Ward; E. Margosches; W. Stokes. 2011. ICCVAM Evaluation and Recommendations on the Nonradioactive LLNA: DA for Evaluating Allergic Contact Dermatitis Hazards. 50th Annual Meeting of the Society of Toxicology.  
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LLNA Use in Testing of Mixtures, Formulations, Metals or Aqueous Solutions

2010

J Matheson, A Jacobs, M Wind, J Chen, M Hashim, M Lewis, E Margosches, D McCall, T McMahon, J Redden, R Ward, W Stokes. 2010. ICCVAM Recommendations for Use of the LLNA for Evaluating the Allergic Contact Dermatitis Potential of Pesticide Formulations. 49th Annual Meeting of the Society of Toxicology.  
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Other Presentations on the LLNA

2010

T Burns, J Strickland, E Salicru, D Allen, W Stokes. 2010. Comparison of LLNA Responses Between CBA and BALB/c Mouse Strains. 49th Annual Meeting of the Society of Toxicology.  
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E Salicru, J Haseman, M Paris, J Strickland, D Allen, W Stokes. 2010. Impact of Reducing the Sample Size on the Performance of the LLNA. 49th Annual Meeting of the Society of Toxicology.  
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