



## Animal Testing Replacement for Vaccines A One Health View: Global Outlook and Future Strategy



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# How to build competence in new testing strategies in National Control Laboratories?

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# WHO-NNB Annual Meetings and Alternative Testing



The annual meetings of the WHO National Control Laboratory Network for Biologicals (WHO-NNB) support technical alignment by:

- ❑ Presenting validated approaches replacing animal-based assays
- ❑ Sharing practical implementation experiences with alternative methods
- ❑ Facilitating collaboration between laboratories for method uptake



# Key 3Rs Presentations at the 7th WHO-NNB Meeting

Key presentations at the 7th WHO-NNB meeting (Lyon, 26–28 Nov):

- ❑ Monocyte Activation Test (MAT) replacing the LAL pyrogen test
- ❑ Recombinant Factor C (rFC) assay as an LAL alternative for endotoxin testing
- ❑ New in vitro methods for testing toxoid vaccines



# Initiatives to Strengthen NCL Capacity

MSC promotes twinning to accelerate method adoption:

- ❑ Mature NCLs mentor laboratories transitioning to new testing strategies
- ❑ The WHO-NNB information platform facilitates matching, documentation sharing and follow-up

# Broadcasting of In Vivo Tutorials for Vaccine Testing

MSC training materials for NCLs:

- ❑ Broadcasting in vivo testing tutorials (supported by the Gates Foundation)
- ❑ Video series on replacement methods (MAT, rFC)
- ❑ Standardized training modules accessible to WHO-NNB members

# Partnerships

WHO MSC team is exploring collaboration with training centres

- ❑ WHO Academy, the emergent WHO Regional Training Centres...
- ❑ Develop hands-on training programmes on alternative methods to animal testing
- ❑ Practical sessions to take place in training laboratory environments, allowing real manipulation of methods.





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