

<http://www.cstl.nist.gov/div831/strbase/validation.htm>

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Laboratory  
Pennsylvania State Police  
Albany Department of Forensic Sciences  
Albany Department of Forensic Sciences

- f) For the instrument itself, sections 8.1.2.2, 8.1.3.1 (9), 8.1.3.1 (8), and 8.1.3.4 of the guidelines to complete annual validation requirements:
- a. Known and Non-Presumptive samples:
    - i. Characterized and compared known laboratory samples to results from the J100.
    - ii. Characterized and compared the results of non-positive control samples, standard and questioned items, from a variety of cases to previous demonstrations.
  - b. Reproducibility studies:
    - i. Amplified and characterized known DNA (99A+) across a three day period.
    - ii. Characterized non-positive surfaces over a 2 month period of time.
  - c. Precision Studies:
    - i. Determined precision of slides from known DNA (99A+) across a three-day period.
    - ii. Determined precision of slides ladder studies in 7, 10, and 15 acquisition periods for both day and night conditions.
  - d. Match Cases:

STRBase Information on Validation

- Would you like for NIST to continue with updates and information on validation studies?
- This will require help from YOU!

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This Webcast

- Will be archived for at least 6 months (approximately 1-2 weeks from now).
- Give us feedback on reviving the Validation page on STRBase, or other topics for future webcasts.
  - John Paul Jones - [john.jones@nist.gov](mailto:john.jones@nist.gov)
  - Mike Coble - [mcoble@nist.gov](mailto:mcoble@nist.gov)

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Upcoming Webcasts...

Probabilistic Genotyping – Part 2  
September 18 (Thursday)

Planned Talks - Confirmed  
TrueAllele  
LikeLTD  
DNA-View Mixture Solution  
Armed Expert  
LiRa/LiRaHT

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Thank You!

- Dr. Robin Cotton
- Dr. Catherine Grgicak
- Becky Hill
- Dr. Mark Timken
- Dr. John Butler
  
- Gladys Arrisueno
- John Paul Jones

Past and Present Funding: Interagency  
Agreement between the [National](#)  
[Institute of Justice](#) and NIST Law  
Enforcement Standards Office



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