

## Relevant Literature on Mixture Interpretation

### General Information

Gill, P. (2002) Role of short tandem repeat DNA in forensic casework in the UK--past, present, and future perspectives. *BioTechniques* 32(2): 366-385.

Gill, P., Brenner, C.H., Buckleton, J.S., Carracedo, A., Krawczak, M., Mayr, W.R., Morling, N., Prinz, M., Schneider, P.M., Weir, B.S. (2006) DNA commission of the International Society of Forensic Genetics: Recommendations on the interpretation of mixtures. *Forensic Sci. Int.* 160: 90-101.

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Torres, Y., Flores, I., Prieto, V., Lopez-Soto, M., Farfan, M.J., Carracedo, A., Sanz, P. (2003) DNA mixtures in forensic casework: a 4-year retrospective study. *Forensic Sci. Int.* 134: 180-186.

### Mixture Detection and Component Profile Deconvolution

Clayton, T.M., Whitaker, J.P., Sparkes, R., Gill, P. (1998) Analysis and interpretation of mixed forensic stains using DNA STR profiling. *Forensic Sci. Int.* 91: 55-70.

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Shrestha, S., Strathdee, S.A., Broman, K.W., Smith, M.W. (2006) Unknown biological mixtures evaluation using STR analytical quantification. *Electrophoresis* 27: 409-415.

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### Designating True Alleles versus Artifacts

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### Expert System Software Approaches

Bill, M., Gill, P., Curran, J., Clayton, T., Pinchin, R., Healy, M., and Buckleton, J. (2005) PENDULUM—a guideline-based approach to the interpretation of STR mixtures. *Forensic Sci. Int.* 148: 181-189.

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### Interlaboratory Studies on Mixture Interpretation

Duewer, D.L., Kline, M.C., Redman, J.W., Newall, P.J., Reeder, D.J. (2001) NIST mixed stain studies #1 and #2: interlaboratory comparison of DNA quantification practice and short tandem repeat multiplex performance with multiple-source samples. *J. Forensic Sci.* 46(5): 1199-1210.

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### Statistical Calculations and Issues

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### Defense Attacks on Mixture Interpretation

Gilder, J.R., Doom, T.E., Inman, K., Krane, D.E. (2007) Run-specific limits of detection and quantitation for STR-based DNA testing. *J. Forensic Sci.* 52(1): 97-101.

Paoletti, D.R., Doom, T.E., Krane, C.M., Raymer, M.L., Krane, D.E. (2005) Empirical analysis of the STR profiles resulting from conceptual mixtures. *J. Forensic Sci.* 50(6): 1361-1366.

### Y-STRs Can Benefit Some Mixture Samples Compared to Autosomal STRs

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### Y-STR Mixture and Statistical Issues

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