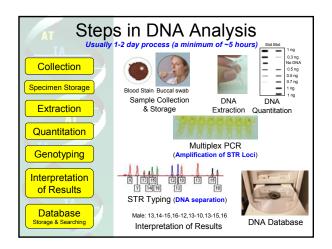
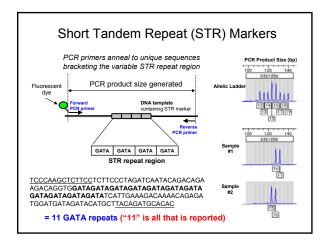
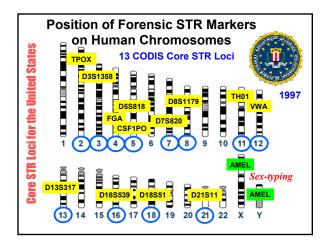
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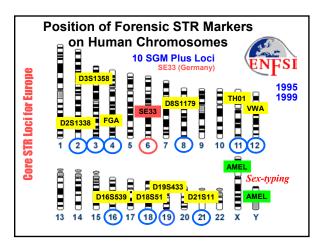
April 12, 2005









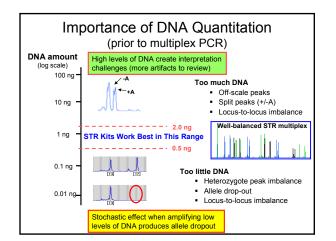


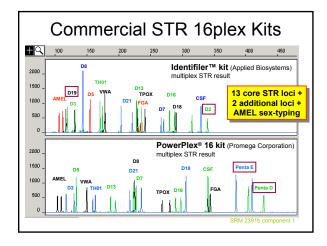


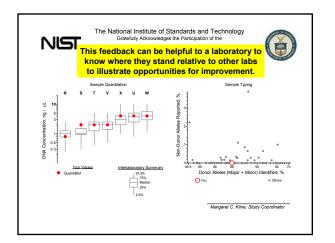
available NIST standard reference material or standard traceable to a NIST standard.

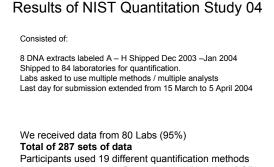
Human DNA Quantitation

- FBI STANDARD 9.3 The laboratory shall have and follow a procedure for evaluating the quantity of the human DNA in the sample where possible.
- No requirement on how accurate DNA quantitation needs to be ...
- Quantitation is important in order to determine how much DNA template to put into the PCR reaction



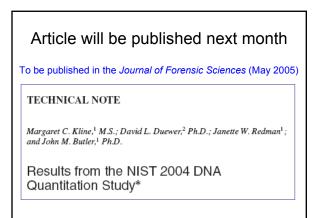


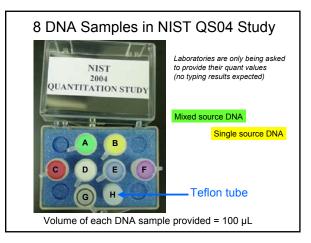




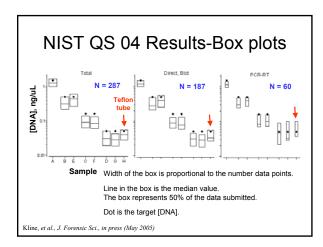
(primarily variations on Quantiblot and Real-time PCR)

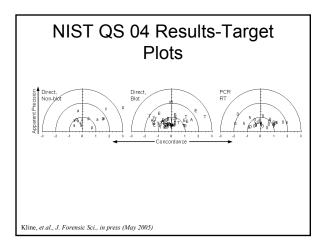
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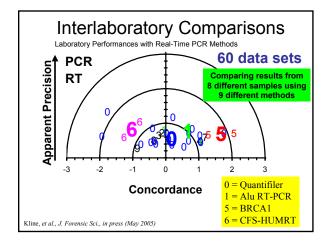




		% Quantitative Results*									
	Target [DNA] ng/µL		1.5	0.5	0.5	0.16	0.16	0.05	0.05	0.05	
	Method	Neud	A	В	E	с	F	D	G	н	
	Quantifiler	37	100	100 100 100 100	Real-time PCR						
	Other RT-PCR "ACES" AluQuant	23 14 13	100 100 100								
	PicoGreen	12	100	100	92	100	100	92	83	83	} Quantiblot
	ECL	75	100	99	99	93	95	84	77	87	
	TMB	98	100	100	99	93	94	59	62	63	
	Yield gel	14	57	0	0	0	0	0	0	0	
		286									

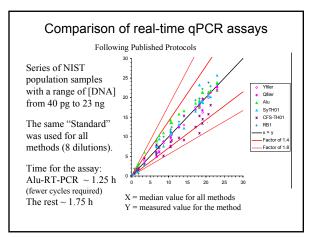


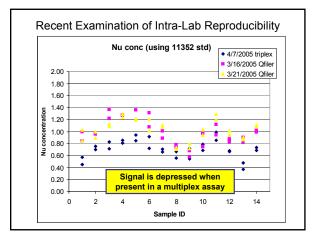


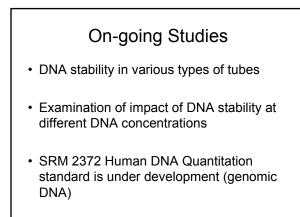


http://www.cstl.nist.gov/biotech/strbase/NISTpub.htm

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