



## *Manufacturer's Information*

### **Test No. 23-5882: DNA Interpretation**

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Each sample set contained digital files consisting of electropherograms from DNA profiles of two reference samples (Items 1 and 2) and two questioned samples (Items 3 and 4). Participants were requested to evaluate the electropherograms and interpret the data using their existing protocols.

**SAMPLE PREPARATION:** Item 1 was created using blood collected from a female donor. Item 2 was created using blood collected from a male donor. Item 3 was created by combining two parts of blood from the Item 1 female donor, one part of blood from the Item 2 male donor, and one part of blood from an additional male donor whose known reference sample was not provided. Item 4 was created by combining one part of blood from the Item 1 female donor and two parts of blood from the Item 2 male donor.

**VERIFICATION:** All predistribution participants reported consistent contributor conclusions.

**SAMPLE SET ASSEMBLY:** Once sample preparation and verification were completed, the digital upload was checked to ensure all items were accessible.

Consensus results on the following pages were determined by ensuring at least 10 participants returned results for the locus. Each allele listed was determined by ensuring that at least 75% of participants that returned data for that specific locus and item reported the same allele. Additional alleles may be present depending on laboratory thresholds and/or amplification kit used.

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**Manufacturer's Information, continued**  
**Test No. 23-5882: DNA Interpretation**

<b>Amelogenin and STR Results</b>						
<i>Results compiled by predistribution laboratories and a consensus of participants.</i>						
<b>Item</b>	<b>D1S1656</b>	<b>D2S1338</b>	<b>D2S441</b>	<b>D3S1358</b>	<b>D5S818</b>	<b>D7S820</b>
	<b>D8S1179</b>	<b>D10S1248</b>	<b>D12S391</b>	<b>D13S317</b>	<b>D16S539</b>	<b>D18S51</b>
	<b>D19S433</b>	<b>D21S11</b>	<b>D22S1045</b>	<b>Amelogenin</b>	<b>CSF1PO</b>	<b>FGA</b>
	<b>Penta D</b>	<b>Penta E</b>	<b>SE33</b>	<b>TH01</b>	<b>TPOX</b>	<b>vWA</b>
	<b>DYS391</b>	<b>DYS570</b>	<b>DYS576</b>	<b>Y Indel</b>		
1	11,12	23,25	10,11	15,15	12,13	8,9
	10,12	14,15	19,3,20	12,13	11,11	15,19
	14,14	30,31	11,12	X,X	12,14	23,23
	10,12	14,17	15,21	8,9,3	8,8	15,19
	NM	NM	NM	NM		
2	17,17.3	17,23	11,14	15,15	11,12	11,11
	12,14	13,16	17,18	9,14	12,13	13,16
	14,15	27,32.2	16,16	X,Y	11,12	20,21
	9,11	7,15	20,31.2	6,9,3	8,9	14,16
	12	18	20	2		
3	11,12,16,17,17.3	17,23,25	10,11,14,15	15	11,12,13	8,9,10,11
	10,11,12,13,14	12,13,14,15,16	17,18,19,3,20,22	9,12,13,14	9,11,12,13	13,15,16,19
	13,14,15	27,28,30,31,32.2	11,12,16	X,Y	11,12,14	20,21,23,27
	9,10,11,12	7,11,14,15,17,21	15,20,21,24,2,30.2,31.2	6,7,8,9,9.3	8,9	14,15,16,17,18,19
	10,12	16,18	17,20	2		
4	11,12,17,17.3	17,23,25	10,11,14	15,15	11,12,13	8,9,11
	10,12,14	13,14,15,16	17,18,19,3,20	9,12,13,14	11,12,13	13,15,16,19
	14,15	27,30,31,32.2	11,12,16	X,Y	11,12,14	20,21,23
	9,10,11,12	7,14,15,17	15,20,21,31.2	6,8,9,3	8,9	14,15,16,19
	12	18	20	2		

NM - Non-Male profile, YSTR results not expected.

<b>YSTR Results</b>									
<i>Results compiled from predistribution laboratories and a consensus of participants.</i>									
<b>Item</b>	<b>DYF387S</b>	<b>DYS19</b>	<b>DYS385</b>	<b>DYS389-I</b>	<b>DYS389-II</b>	<b>DYS390</b>	<b>DYS391</b>	<b>DYS392</b>	<b>DYS393</b>
	<b>DYS437</b>	<b>DYS438</b>	<b>DYS439</b>	<b>DYS448</b>	<b>DYS449</b>	<b>DYS456</b>	<b>DYS458</b>	<b>DYS460</b>	<b>DYS481</b>
	<b>DYS518</b>	<b>DYS533</b>	<b>DYS549</b>	<b>DYS570</b>	<b>DYS576</b>	<b>DYS627</b>	<b>DYS635</b>	<b>DYS643</b>	<b>YGATAH4</b>
2	37,38	15	11,15	14	32	24	12	11	13
	15	10	10	20	29	17	18	10	21
	37	12	12	18	20	20	21	13	11
3	37,38	15,16	11,15	12,14	29,32	22,24	10,12	10,11	13,14
	15,16	10	10,12	20,21	27,29	14,17	18	10	21,23
	37,38	10,12	12	16,18	17,20	20,21	21	11,13	11
4	37,38	15	11,15	14	32	24	12	11	13
	15	10	10	20	29	17	18	10	21
	37	12	12	18	20	20	21	13	11

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