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Manufacturer's Information Test No. 24-5801: DNA-Mixture

Each sample set consisted of two known bloodstains on white fabric (Items 1 and 2), and two questioned stains on colored fabric (Items 3 and 4). Participants were asked to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains on Items 1, 2, and 4 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. The stain on Item 3 was prepared using a mixture of human whole blood and semen. Item 1 (50 μ L) was created using blood from a female donor. Item 2 (50 μ L) was created using a 1:1 mixture of blood from the female donor used in Item 1 and semen from the male donor used in Item 2. Item 4 (50 μ L) was created using a 1:1 mixture of blood from the female donor used in Item 1 and blood from a male donor whose known standard was not provided. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on January 02, 2024 following completion of the verification stage.

SAMPLE SET ASSEMBLY: For each sample set, all Items (1-4) were packaged into separate envelopes and then placed together in a pre-labeled sample set envelope and sealed. The sealed sample set envelopes were then packaged in pre-labeled heat seal envelopes and sealed. This process was repeated until all of the sample sets were prepared.

VERIFICATION: All predistribution laboratories confirmed the manufacturer's expected associations. Consistent allelic results were reported for all STR and YSTR loci.

The information presented here is that received from the sample manufacturer. It presents details of the design specification for the test samples and/or details of how they were prepared. This information does not necessarily represent the results that should or could be obtained from an examination of the sample. Final interpretation of the results should be deferred until the summary report is available.

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Manufacturer's Information, continued Test No. 24-5801: DNA-Mixture

Amelogenin and STR Results												
	Results compiled from predistribution laboratories and a consensus of at least 10 participants.											
ltem	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043						
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539						
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO						
	FGA	Penta D	Penta E	SE33	TH01	TPOX						
	vWA	DYS391	DYS570	DYS576	Y Indel							
1	15,17.3	17,20	10,14	16,17	11,11	*						
	12,12	13,14	13,13	20,24	11,12	11,13						
	12,12	14,14.2	31.2,32.2	11,15	X,X	11,12						
	19,23	13,13	5,7	20,27.2	7,9.3	8,12						
L	15,17	NM	NM	NM	NM							
2	12,15	16,18	11,14	15,15	11,13	*						
	8,10	11,15	14,14	19,23	10,12	9,11						
	12,16	13,15	29,31.2	15,15	X,Y	10,11						
	20,23	13,13	7,12	28.2,29.2	7,8	8,11						
	16,17	10	17	15	2							
3-Blood	15,17.3	17,20	10,14	16,17	11,11	*						
	12,12	13,14	13,13	20,24	11,12	11,13						
	12,12	14,14.2	31.2,32.2	11,15	X,X	11,12						
	19,23	13,13	5,7	20,27.2	7,9.3	8,12						
	15,17	NM	NM	NM	NM							
3-Semen	12,15	16,18	11,14	15,15	11,13	*						
	8,10	11,15	14,14	19,23	10,12	9,11						
	12,16	13,15	29,31.2	15,15	X,Y	10,11						
	20,23	13,13	7,12	28.2,29.2	7,8	8,11						
	16,17	10	17	15	2							
4	14,15,16,17.3	17,20,21	10,11,14	15,16,17	11,12	*						
	8,12	13,14	13,14	18,19,20,24	11,12	11,12,13						
	12,13,17	14,14.2,15	30.2,31.2,32.2	11,14,15,17	X,Y	10,11,12						
	19,20,22,23	10,11,13	5,7,16,20	14,20,27.2,30.2	7,9,9.3	8,10,11,12						
	15,16,17	11	20	17	2							

YSTR Results													
Results compiled from predistribution laboratories and a consensus of at least 10 participants.													
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393				
	DYS437 DYS518	DYS438 DYS533	DYS439 DYS549	DYS448 DYS570	DYS449 DYS576	DYS456 DYS627	DYS458 DYS635	DYS460 DYS643	DYS481 YGATAH4				
2	38,39	15	13,14	12	28	22	10	11	12				
	16	11	11	22	30	16	15	9	21				
	37	10	12	17	15	19	22	12	11				
3-Semen	38,39	15	13,14	12	28	22	10	11	12				
	16	11	11	22	30	16	15	9	21				
	37	10	12	17	15	19	22	12	11				
4	34,36	14	11,15	13	29	23	11	13	13				
	15	12	12	19	29	16	17	12	23				
	38	12	13	20	17	22	23	10	11				

^{*} Results were not received by a minimum of 10 participants for the loci indicated.

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

The information presented here is that received from the sample manufacturer. It presents details of the design specification for the test samples and/or details of how they were prepared. This information does not necessarily represent the results that should or could be obtained from an examination of the sample. Final interpretation of the results should be deferred until the summary report is available.

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