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FORENSIC TESTING PROGRAM

Manufacturer's Information

Test No. 15-5872: DNA - Parentage

Each sample set was a collection of known blood samples, provided on FTA Micro cards, from three individuals (Items 1-3), a mother, daughter and a potential father. Participants were requested to analyze these items using their existing protocols. Also included in the data sheet was a kinship exercise that consisted of autosomal DNA profiles of two individuals for comparison. Participants were requested to determine, if a grandmother/granddaughter relationship claim was supported following the review of these profiles.

SAMPLE PREPARATION: All stains were prepared from human whole blood which was drawn into EDTA tubes. Item 1 (75 μ l) was created using blood collected from a female (mother) donor, Item 2 (75 μ l) was from a female (daughter) donor and Item 3 (75 μ l) was created using blood collected from one male donor who was not the biological father of Item 2. Each different Item was prepared at separate times and all three items were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on August 10, 2015.

SAMPLE SET ASSEMBLY: For each sample set, all three Items (1-3) were placed in a pre-labeled sample pack envelope. The sealed sample pack envelopes were then packaged in pre-labeled Heat Seal envelopes and sealed. This process was repeated until all of the sample sets were prepared.

KINSHIP EXERCISE: This exercise included allelic results representing a grandmother/granddaughter relationship.

VERIFICATION: Laboratories that conducted predistribution analysis of the samples reported consistent results and associations.

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 answers 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.

Manufacturer's Information, continued
Test No. 15-5872: DNA - Parentage

Amelogenin and STR Results						
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>						
Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
1	11,16 14,14 15,16 10,13	24,26 12,14* 28,28 7,10	11,11* 18,24 14,15* 18,22.2*	15,18 9,11 X,X 9.3,10	11,12 11,13 10,11 8,8	8,12 16,17 21,23 16,16
2	11,18 14,15 14.2,15 12,13	24,25 12,13* 27,28 10,10	10,11* 17.3,18 14,16* 22.2,28.2*	18,18 8,11 X,X 7,10	11,12 11,11 11,12 8,10	8,11 17,19 21,23 15,16
3	12,17.3 10,12 15,15.2 9,11	19,22 13,14* 29,30 10,12	10,15* 18,23 16,17* 22.2,27.2*	15,18 8,9 X,Y 7,9.3	11,12 12,13 10,10 8,9	8,10 15,16 25,25 14,17

YSTR Results								
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>								
Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
3	14 15 13*	12,15 12 18*	14 12 18*	31 19 23	24 16 10*	10 17 12	13 22* 2*	13 12*

* Results were not received from a minimum of 10 participants for the STR and YSTR loci indicated. The above results are a reflection of the data received.

Paternity Indices						
<i>Median Paternity Index results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>						
Database	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
3PI-FBI	∅	0.0014*	∅	3.07*	1.31*	0*
Popstats	0*	∅	∅	5.03*	0*	0*
	0*	0*	∅	0*	0*	0*
	0*	0*	∅	2.90*	0*	0*
3PI-NIST	0*	0*	1.9275*	1.34	1.34*	0*
STRBASE	0*	1.73*	0*	4.15*	0*	0*
	0*	0*	1.37*	0*	0*	0*
	0*	5.82*	0*	2.58	0*	0*

* Results were not received from a minimum of 10 participants for the loci indicated. The above results are a reflection of the data received.

∅ No results were received for the loci indicated with this symbol.

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