



FORENSIC TESTING PROGRAM

Manufacturer's Information
Test No. 11-586: DNA - Mixture

Each sample pack consisted of two known bloodstains on FTA Genecards (Items 1 & 2), and two questioned stains one on clean, yellow material (Item 3) and one on clean, tan material (Item 4). The stains in Items 1 and 3 were prepared from human whole blood which was drawn into citric acid preservative bloodbank bags. The stain in Item 2 was prepared from human whole blood which was collected in red top tubes from a cryobank. Item 4 was a mixture prepared from human whole blood and semen. The semen, procured from a cryobank, was from a single donor, but stored frozen in multiple vials at -196° C in liquid nitrogen tanks. The semen was thawed and first mixed 1:1 with TAE buffer, then mixed 1:1 with the blood. This mixture was used to spot the Item 4 substrate. Items 1 and 3 were blood collected from one female donor and Item 2 was blood collected from a male donor. The Item 4 mixture contained the blood of the Item 1 female donor and semen from the Item 2 male donor. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried.

Sample Preparation Schedule

<u>Item</u>	<u>Sample Collected</u>	<u>Prepared</u>	<u>Packaged</u>	<u>Volume</u>
1	August 29, 2011	September 1, 2011	September 2, 2011	75 µl
2	September 8, 2011	September 9, 2011	September 12, 2011	75 µl
3	August 29, 2011	September 1, 2011	September 2, 2011	50 µl
4	Blood: Aug. 29, 2011; Semen Aug. 28-Sept.1, 2011	September 2, 2011	September 8, 2011	50 µl

Completed sample sets were stored at -20°C until shipment on October 14, 2011 following receipt of predistribution results.

Amelogenin and STR Results

Results compiled from predistribution laboratories and a consensus of at least 10 participants.

<u>Item</u>	<u>D3S1358</u>	<u>D5S818</u>	<u>D7S820</u>	<u>D8S1179</u>	<u>D13S317</u>	<u>D16S539</u>	<u>D18S51</u>	<u>D21S11</u>
1	15,17	8,10	8,12	13,14	9,10	11,13	14,16	27,29
2	15,17	12,14	10,11	9,14	11,13	9,11	13,15	28,30.2
3	15,17	8,10	8,12	13,14	9,10	11,13	14,16	27,29
4-Blood	15,17	8,10	8,12	13,14	9,10	11,13	14,16	27,29
4-Semen	15,17	12,14	10,11	9,14	11,13	9,11	13,15	28,30.2

<u>Item</u>	<u>Amel</u>	<u>CSF1PO</u>	<u>FGA</u>	<u>TH01</u>	<u>TPOX</u>	<u>yWA</u>	<u>Penta D</u>	<u>Penta E</u>
1	X,X	12,12	19,23	7,9	8,10	16,17	10,11	13,17
2	X,Y	12,12	20,21	9.3,9.3	8,9	16,18	9,10	10,18
3	X,X	12,12	19,23	7,9	8,10	16,17	10,11	13,17
4-Blood	X,X	12,12	19,23	7,9	8,10	16,17	10,11	13,17
4-Semen	X,Y	12,12	20,21	9.3,9.3	8,9	16,18	9,10	10,18

<u>Item</u>	<u>D2S1338</u>	<u>D19S433</u>
1	18,19	13,13
2	18,20	14,15
3	18,19	13,13
4-Blood	18,19	13,13
4-Semen	18,20	14,15

YSTR results on next page.

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. 11-586: DNA - Blood

YSTR Results										
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>										
<u>Item</u>			<u>DYS19</u>	<u>DYS385</u>	<u>DYS389-I</u>	<u>DYS389-II</u>	<u>DYS390</u>	<u>DYS391</u>		
2			14	11,14	13	29	24	11		
4-Semen			14	11,14	13	29	24	11		
<u>Item</u>	<u>DYS392</u>	<u>DYS393</u>	<u>DYS437</u>	<u>DYS438</u>	<u>DYS439</u>	<u>DYS448</u>	<u>DYS456</u>	<u>DYS458</u>	<u>DYS635</u>	<u>YGATAH4</u>
2	12	13	15	12	12	19	16	17	23	12
4-Semen	12	13	15	12	12	19	16	17	23	12

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.