



**FORENSIC TESTING PROGRAM**

*Manufacturer's Information*  
**Test No. 10-582: DNA - Semen**

Each sample pack consisted of two known bloodstains on FTA Genecards (Items 1 & 2), and two questioned stains one on clean, black polka dotted pink material (Item 3) and one on clean, tan material (Item 4). The stains in Items 1, 2 and 4 were prepared from human whole blood which was drawn into citric acid preservative bloodbank bags. The stain in Item 3 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 3 substrates. Items 1 and 4 were blood collected from one female donor and Item 2 was blood collected from one male donor. Item 3 was a mixture of blood from the Item 1 female donor and semen from the Item 2 male donor. Stains from different sources were prepared on separate days and were packaged once they were thoroughly dried.

<b>Sample Preparation Schedule</b>				
<u>Item</u>	<u>Sample Collected</u>	<u>Prepared</u>	<u>Packaged</u>	<u>Volume</u>
1	January 5, 2010	January 13, 2010	January 14, 2010	75 µl
2	January 14, 2010	January 21, 2010	January 22, 2010	75 µl
3	Blood: January 5, 2010; Semen: January 14-15, 2010	January 20, 2010	January 21, 2010	50 µl
4	January 5, 2010	January 13, 2010	January 14, 2010	50 µl

Completed sample sets were stored at -20°C until shipment on March 1, 2010 following receipt of predistribution results.

<b>Amelogenin and STR Results</b>								
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>								
<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	15,18	11,12	11,11	15,15	12,13	11,12	12,13	28,30
2	15,16	11,13	11,11	10,12	11,12	9,9	13,14	30,33.2
3-Blood	15,18	11,12	11,11	15,15	12,13	11,12	12,13	28,30
3-Semen	15,16	11,13	11,11	10,12	11,12	9,9	13,14	30,33.2
4	15,18	11,12	11,11	15,15	12,13	11,12	12,13	28,30
<u>Item</u>	<u>Amel</u>	<u>CSF1PO</u>	<u>FGA</u>	<u>TH01</u>	<u>TPOX</u>	<u>vWA</u>	<u>Penta D</u>	<u>Penta E</u>
1	X,X	12,12	20,22	7,9.3	9,12	14,16	9,10	7,14
2	X,Y	9,10	21,22	8,9.3	8,11	18,18	11,13	12,13
3-Blood	X,X	12,12	20,22	7,9.3	9,12	14,16	9,10	7,14
3-Semen	X,Y	9,10	21,22	8,9.3	8,11	18,18	11,13	12,13
4	X,X	12,12	20,22	7,9.3	9,12	14,16	9,10	7,14
<u>Item</u>	<u>D2S1338</u>	<u>D19S433</u>						
1	16,20	12,14						
2	17,26	12,12						
3-Blood	16,20	12,14						
3-Semen	17,26	12,12						
4	16,20	12,14						

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. 10-582: DNA - Semen

<b>YSTR Results</b>										
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>										
<b><u>Item</u></b>			<b><u>DYS19</u></b>	<b><u>DYS385</u></b>	<b><u>DYS389-I</u></b>	<b><u>DYS389-II</u></b>	<b><u>DYS390</u></b>	<b><u>DYS391</u></b>		
2			15	13,14	13	30	22	11		
3-Semen			15	13,14	13	30	22	11		
<b><u>Item</u></b>	<b><u>DYS392</u></b>	<b><u>DYS393</u></b>	<b><u>DYS437</u></b>	<b><u>DYS438</u></b>	<b><u>DYS439</u></b>	<b><u>DYS448</u></b>	<b><u>DYS456</u></b>	<b><u>DYS458</u></b>	<b><u>DYS635</u></b>	<b><u>YGATAH4</u></b>
2	11	13	16	10	11	22	15	18	23	13
3-Semen	11	13	16	10	11	22	15	18	23	13

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