



Manufacturer's Information

Test No. 15-582: DNA-Semen

Each sample pack consisted of two known bloodstains on FTA Micro cards (Items 1 & 2), and two questioned stains one on clean, beige and green patterned material (Item 3) and one on clean, dark blue material (Item 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains in Items 1, 2 and 4 were prepared from human whole blood which was either drawn into citric acid preservative bloodbank bags or EDTA tubes. 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 substrate. Item 1 (75 µl) was prepared using blood collected from a female donor and Items 2 (75 µl) and 4 (50µl) were prepared using blood collected from a single male donor. Item 3 (50 µl) was a mixture containing blood from the Item 1 female donor and semen from a donor whose known blood standard was not provided to participants. 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 March 3, 2015 following receipt of predistribution results.

SAMPLE SET ASSEMBLY: For each sample set, all four Items (1-4) were placed in a pre-labeled sample pack envelope. The sealed sample pack envelopes were then packaged in pre-labeled Marvel Heat Seal envelopes and sealed. This process was repeated until all of the sample sets were prepared.

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

Manufacturer's Information, continued
Test No. 15-582: DNA-Semen

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	16.3,17.3 14,15 14,15 9,11	16,19 14,16 30.2,31.2 11,15	11,12 17,19.3 16,16 14,25.2	16,18 8,10 X,X 7,7	10,11 11,13 11,12 9,11	9,10 13,19 19,23 16,17
2	11,11 12,12 10,12 2.2,12	17,18 15,16 28,30.2 12,17	11,11 21,22 12,16 14,19	15,17 11,12 X,Y 8,8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16
3-Blood	16.3,17.3 14,15 14,15 9,11	16,19 14,16 30.2,31.2 11,15	11,12 17,19.3 16,16 14,25.2	16,18 8,10 X,X 7,7	10,11 11,13 11,12 9,11	9,10 13,19 19,23 16,17
3-Semen	14,18.3 12,13 12,15 9,12	16,25 14,16 28,30 12,18	10,14 15,23 15,16 23.2,28.2	15,16 11,14 X,Y 6,8	11,13 12,13 10,12 8,11	11,12 13,15 21,22 14,16
4	11,11 12,12 10,12 2.2,12	17,18 15,16 28,30.2 12,17	11,11 21,22 12,16 14,19	15,17 11,12 X,Y 8,8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16

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
2	15 14 12	15,16 11 18	12 12 15	29 20 21	21 15 14	10 17 12	11 23 *	14 13
3-Semen	14 14 15	11,14 12 16	13 12 18	29 19 23	23 16 10	11 17 12	13 23 *	13 12
4	15 14 12	15,16 11 18	12 12 15	29 20 21	21 15 14	10 17 12	11 23 *	14 13

* Results were not received from a minimum of 10 participants for the YSTR locus indicated.

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.