Collaborative Testing Services, Inc.
FORENSIC TESTING PROGRAM

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Manufacturer's Information

Test No. 26-5904/5: Probabilistic Genotyping

Each sample pack consisted of two known bloodstains provided on either white fabric or FTA™ Micro Cards, and two questioned stains on colored fabric. Participants were asked to analyze these items using their existing protocols.

SAMPLE PREPARATION: Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried into separate envelopes.

SAMPLE PACK ASSEMBLY: One of each item was placed into a pre-labeled sample pack envelope and sealed. The sealed envelopes were then packaged in pre-labeled heat seal envelopes and sealed. Completed sample packs were stored at -20°C until shipment.

VERIFICATION: Predistribution results were consistent with each other and the manufacturer's preparation information. Consistent allelic results were reported for all STR loci. YSTR allelic results were reported by one participant.

Item	Known/ Questioned	Substrate (Test No.)	Body Fluid	Volume (Mixture Ratio)	Sex	Donor Information
1	Known	White Fabric (5904)/ FTA™ Micro Card (5905)	Blood	50 µL/75 µL	Male	Victim
2	Known	White Fabric (5904)/ FTA™ Micro Card (5905)	Blood	50 µL/75 µL	Male	Suspect
3	Questioned	Yellow Fabric	Blood/Blood/ Blood/Semen	50 µL (1:1:1:1)	Male/Male/ Male/Male	Victim/Additional Male A/ Additional Male B/ Additional Male C
4	Questioned	Blue Fabric	Blood/Blood	50 µL (3:2)	Male/Male	Victim/Additional Male A

The information presented here details how test samples were prepared as well as any design specifications. This information does not necessarily represent the results that could or should be obtained. Final interpretation of the results should be deferred until consensus data is made available in the summary report.

Test No. 26-5904/5: Probabilistic Genotyping

Amelogenin and STR Results

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

Item	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	19,20	10,15	16,16	11,12	*
	11,11	11,13	14,15	18,21	10,13	10,13
	13,14	14,14	27,31.2	16,16	X,Y	10,12
	22,24	9,12	11,11	24.2,33	9,9.3	8,8
	15,16	9	17	16	2	
2	13,15	23,26	10,14	15,17	12,12	*
	11,11	13,15	14,15	20,21	8,13	9,11
	13,19	12,13	28,28	11,14	X,Y	11,11
	24,24	11,15	11,11	28.2,30	6,9	8,10
	14,16	11	19	18	2	
3-Blood	13,14,15,17.3	17,19,20,21,23,26	10,11,15	16,17	11,12	*
	7,8,11,13	10,11,12,13,14	13,14,15,16	17,18,19,21,23	9,10,11,12,13	9,10,11,12,13
	12,13,14,16,20	13,14,15	27,28,29,31,31.2	15,16,17	X,Y	10,11,12
	19,21,22,23, 24,26	9,10,12	7,11,12,17,20	16,20,24.2,25.2, 28.2,33	6,9,9.3	8,10,11
	14,15,16,17,18	9,10,12	17	16,17,20	2	
3-Semen	12,16.3	20,21	10,14	15,15	12,12	*
	8,10	12,13	14,16	18,19	11,12	12,13
	13,17	14,14	28,29	15,16	X,Y	10,12
	23,25	9,13	7,7	15,28.2	6,9.3	11,11
	16,19	10	17	17	2	
4	13,14,15,17.3	17,19,20,26	10,11,15	16,16	11,12	*
	8,11,13	10,11,12,13	14,15,16	18,19,21	9,10,12,13	9,10,11,13
	13,14,20	13,14	27,28,29,31.2	15,16	X,Y	10,11,12
	19,22,23,24	9,10,12	7,11,20	20,24.2,28.2,33	6,9,9.3	8,10,11
	14,15,16,17	9,10	17	16,17	2	

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

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Test No. 26-5904/5: Probabilistic Genotyping

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	**DYS438**	**DYS439**	**DYS448**	**DYS449**	**DYS456**	**DYS458**	**DYS460**	**DYS481**
	DYS518	**DYS533**	**DYS549**	**DYS570**	**DYS576**	**DYS627**	**DYS635**	**DYS643**	**YGATAH4**
1	37,39	15	13,14	12	28	22	9	11	14
	16	12	13	21	30	15	16	10	21
	36	9	*	17	16	18	21	*	12
2	37,37	14	13,19	13	30	23	11	11	12
	14	10	11	19	26	14	19.2	10	26
	39	11	*	19	18	22	21	*	11
3-Blood	36,37,38,39	14,15,16	12,13,14,15,20	12,13	28,29	22,23	9,10,12	10,11,13	13,14
	16	11,12,13	10,11,13	19,21	29,30,32	15,16	16,19	10,11	21,22,23
	36,38,43	9,11,12	*	17	16,17,20	‡	21,23,26	*	12
3-Semen	35,36	14	11,15	14	30	24	10	14	13
	14	11	12	18	31	16	18	10	22
	37	12	*	17	17	21	23	*	10
4	37,38,39	15,16	13,14,20	12,13	28	22	9,10	10,11	13,14
	16	11,12	10,13	19,21	30,32	15	16	10,11	21,23
	36,43	9,11	*	17	16,17	18,21	21,26	*	12

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

‡ A consensus was not achieved for the locus indicated. Further information will be provided in the Summary Report.

The information presented here details how test samples were prepared as well as any design specifications. This information does not necessarily represent the results that could or should be obtained. Final interpretation of the results should be deferred until consensus data is made available in the summary report.