



Manufacturer's Information

Test No. 21-5840/1/2: DNA Database - Saliva

Each sample set consisted of a collection of known buccal cells from three individuals (Items 1-3), provided on either FTA™ Indicating Micro Cards, Bode Buccal DNA Collectors™, or Puritan® Cap-Shure® swabs. Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: All substrates were prepared from human buccal cheek cells suspended in sterile phosphate-buffered saline solution. The FTA™ Indicating Micro Cards were spotted with 120 µl of the cell suspension, the Bode Buccal DNA Collectors™ were spotted with 200 µl of the cell suspension, and the Puritan® Cap-Shure® swabs were spotted with 125 µl of the cell suspension. Items 1 and 3 were created using two different female donors and Item 2 was created using a male donor. The Items were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on February 1, 2021.

SAMPLE SET ASSEMBLY: Each item was packed into a pre-labeled item envelope. For each sample set, Items 1, 2, and 3 of the same substrate type were placed into 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.

VERIFICATION: Laboratories that conducted predistribution analysis of the samples reported consistent allelic results across all three substrates.

Key to Test Substrates

5840 - FTA™ Indicating Micro Cards

5841 - Bode Buccal DNA Collectors™

5842 - Puritan® Cap-Shure® Swabs

Manufacturer's Information, continued
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Amelogenin and STR Results						
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>						
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	14,15.3	17,21	11,11	16,17	8,12	*
	8,11	12,13	13,15	19,22	10,11	8,9
	12,17	14,14.2	28,33.2	17,17	X,X	10,12
	24,25	12,14	10,10	19,28.2	6,9.3	8,11
	14,15	NM	NM	NM	NM	
2	15,18.3	16,17	11,14	16,16	11,13	*
	10,11	14,15	13,15	17,18	8,8	11,12
	15,17	14,15	29,30	15,16	X,Y	10,11
	21,22	9,10	7,15	18,28.2	9.3,9.3	8,11
	16,17	11	17	17	2	
3	16,16	18,27	11,14	16,16	11,12	*
	10,11	10,15	13,16	18,19	10,11	9,11
	13,27	13,14	29,31.2	11,16	X,X	11,12
	24,24	9,12	13,19	29.2,32.2	6,9	8,10
	18,19	NM	NM	NM	NM	

YSTR Results									
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>									
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
2	36,37	15	11,15	13	29	25	11	13	13
	15	12	11	19	29	15	16	11	21
	35	12	13	17	17	23	24	10	12

* Results were not received from a minimum of 10 participants for the STR and/or YSTR loci indicated.

NM - Non-Male profile, YSTR results not expected.