



Manufacturer's Information

Test No. 23-5843/4/5: 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. Item 1 was created using a male donor. Item 2 and Item 3 were created using two different female donors. 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 July 24, 2023.

SAMPLE SET ASSEMBLY: For each sample set, all Items (1-3) of the same substrate type were packaged into separate envelopes and then placed together in a pre-labeled sample set envelope and sealed. The sealed sample set 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: All predistribution laboratories confirmed the manufacturer's expected associations. Consistent allelic results were reported for all STR and YSTR loci across all three substrates.

Key to Test Substrates

5843 - FTA™ Indicating Micro Cards

5844 - Bode Buccal® DNA Collectors

5845 - 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	13,17.3	18,24	10,14	14,14	11,12	*
	9,10	11,12	13,16	16,22	11,13	9,11
	14,15	15,15	31.2,32.2	16,16	X,Y	10,11
	22,26	9,10	11,11	16,22.2	8,9.3	8,11
	17,18	11	17	18	2	
2	14,17	24,24	11,11	16,17	11,11	*
	10,11	14,15	13,15	19,20	8,11	12,14
	13,15	15.2,16	30,30	11,15	X,X	10,10
	23,24	11,13	11,16	15,29.2	7,7	8,10
	14,14	NM	NM	NM	NM	
3	11,16.3	20,24	11,11	15,18	9,11	*
	11,12	10,13	13,14	20,20	8,9	11,11
	14,15	15,15.2	30,30	15,16	X,X	10,14
	19,20	12,14	12,18	21.2,28.2	6,9.3	8,11
	16,18	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
1	*	14	11,14	13	29	23	11	13	13
	15	12	12	19	*	16	17	*	22
	*	12	13	17	18	*	23	10	11

* A consensus was not achieved for the loci indicated.

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