



## *Manufacturer's Information*

### **Test No. 22-5840/1/2: DNA Database - Saliva**

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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  $\mu$ l of the cell suspension, the Bode Buccal® DNA Collectors were spotted with 200  $\mu$ l of the cell suspension, and the Puritan® Cap-Shure® swabs were spotted with 125  $\mu$ l of the cell suspension. Items 1 and 2 were created using two different female donors and Item 3 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 January 31, 2022.

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 and sealed. 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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<b>Amelogenin and STR Results</b>						
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>						
<b>Item</b>	<b>D1S1656</b>	<b>D2S1338</b>	<b>D2S441</b>	<b>D3S1358</b>	<b>D5S818</b>	<b>D6S1043</b>
	<b>D7S820</b>	<b>D8S1179</b>	<b>D10S1248</b>	<b>D12S391</b>	<b>D13S317</b>	<b>D16S539</b>
	<b>D18S51</b>	<b>D19S433</b>	<b>D21S11</b>	<b>D22S1045</b>	<b>Amelogenin</b>	<b>CSF1PO</b>
	<b>FGA</b>	<b>Penta D</b>	<b>Penta E</b>	<b>SE33</b>	<b>TH01</b>	<b>TPOX</b>
	<b>vWA</b>	<b>DYS391</b>	<b>DYS570</b>	<b>DYS576</b>	<b>Y Indel</b>	
1	12,17.3	21,25	11,14	15,17	10,12	*
	11,13	13,14	11,15	18,19	10,12	11,13
	15,16	14,14.2	28,31.2	16,17	X,X	8,12
	24,24	10,12	7,15	14,26.2	7,7	8,10
	15,16	NM	NM	NM	NM	
2	14,15.3	22,25	11,15	17,18	8,12	*
	10,12	13,13	13,14	17,17	11,12	11,13
	15,15	13.2,14	30,31	15,16	X,X	10,10
	20,24	13,13	7,13	13,18	6,9	8,12
	15,16	NM	NM	NM	NM	
3	14,18.3	24,24	14,14	15,18	13,13	*
	9,11	8,15	15,15	19,22	8,11	11,12
	13,18	12,17	27,29	15,16	X,Y	11,12
	21,23	12,12	11,20	22,33.2	8,9.3	8,9
	16,18	10	17	18	2	

<b>YSTR Results</b>									
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>									
<b>Item</b>	<b>DYF387S1</b>	<b>DYS19</b>	<b>DYS385</b>	<b>DYS389-I</b>	<b>DYS389-II</b>	<b>DYS390</b>	<b>DYS391</b>	<b>DYS392</b>	<b>DYS393</b>
	<b>DYS437</b>	<b>DYS438</b>	<b>DYS439</b>	<b>DYS448</b>	<b>DYS449</b>	<b>DYS456</b>	<b>DYS458</b>	<b>DYS460</b>	<b>DYS481</b>
	<b>DYS518</b>	<b>DYS533</b>	<b>DYS549</b>	<b>DYS570</b>	<b>DYS576</b>	<b>DYS627</b>	<b>DYS635</b>	<b>DYS643</b>	<b>YGATAH4</b>
3	35,36	14	12,14	13	30	24	10	13	13
	15	12	8	19	31	15	17	11	23
	38	12	13	17	18	21	23	10	13

\* 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.