



## *Manufacturer's Information*

### **Test No. 20-5840/1/2: DNA Database - Saliva**

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Each sample set was a collection of known buccal cells from three individuals (Items 1-3), provided on either GE Healthcare 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 GE Healthcare 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 3 were created using different male donors, and Item 2 was created using a female 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 4, 2020.

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.

*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	12,15.3	17,17	11,11	15,16	11,13	*
	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23	9,12	5,7	11,16	7,9.3	8,9
	17,20	11	17	17	2	
2	13,15	18,25	11,15	15,19	11,12	*
	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
	16,18	NM	NM	NM	NM	
3	11,11	17,17	14,14	18,18	11,12	*
	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25	9,12	7,11	26.2,30.2	6,9	10,11
	14,17	11	17	17	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>
1	35,36	15	11,15	12	28	24	11	13	13
	15	12	10	19	29	16	16	11	22
	38	11	13	17	17	21	23	10	12
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13	12	17	17	23	23	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.

*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.*