

**DNA WI-37 Analysis of Vendor Generated Profiles per
DNA SOP 21**

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1. See SOP 21.7 and 21.8 for deconvolution and statistical analysis of vendor profiles. See SOP 33 for general protocols regarding the qualitative interpretation of vendor generated F6C profiles.
2. If necessary, the assigned DSS analyst may import the relevant sample files into GeneMarker HID. The analyst may review the analyzed data from the vendor but will not make any changes to the data.
3. The vendor lab analytical thresholds are described below for reference:

A) Bode Cellmark

Kit	F6C	GF
Color	<u>RFU</u>	<u>RFU</u>
B	100	125
G	100	125
Y	100	125
R	100	125
P	100	125

B) DNA Labs International

	F6C	GF
Color	<u>RFU</u>	<u>RFU</u>
B	84	145
G	93	197
Y	39	183
R	42	109
P	64	135

4. Determine the number of contributors as described in SOP 33. Non-artifact, sub-analytical peaks are used to assess the number of contributors \geq the following RFU levels for each vendor lab where the level of machine noise and the quality of the profile allows:

a) Bode Cellmark

Kit	F6C	GF
Color	<u>RFU</u>	<u>RFU</u>
B	50	50
G	65	60
Y	50	50
R	50	60
P	50	60

B) DNA Labs International

	F6C	GF
Color	<u>RFU</u>	<u>RFU</u>
B	25	40
G	25	55
Y	25	35
R	25	50
P	25	55

5. Document Batch Paperwork review on QR-4a and Case Review on QR-4.