

**STR Analysis for Cell Line Authentication**

Institute	Researcher Name	Cell Line ID	Date Received	Date Analyzed
Biologica	N/A	AS1778	6/23/2015	6/25/2015

**Results:**

Genetic Locus	AS1778ID1 2015.6.17
D8S1179	14,15
D21S11	31,32.2
D7S820	7,10
CSF1PO	12,12
D3S1358	16,17
TH01	10,10
D13S317	10,10
D16S539	11,11
D2S1338	17,17
D19S433	13.2,16
vWA	17,18
TPOX	8,9
D18S51	15,17
AMEL	X,X
D5S818	11,12
FGA	20,20

Table 1

**Conclusion:**

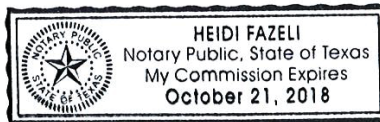
The DNA profile obtained from item **AS1778ID1 2015.6.17** is compiled in Table 1. This item yielded a full DNA profile, and the AMEL locus amplified from the X chromosome. Therefore it can be concluded that the DNA of this cell line most likely originated from a female individual. **Contamination by another human cell line was not detected.**

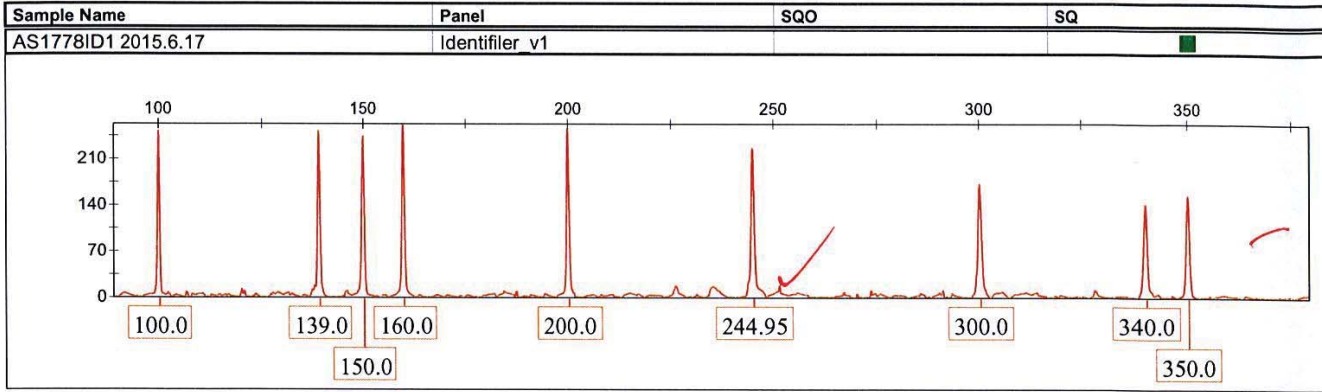
BIO-SYNTHESIS, INCORPORATED and the DNA IDENTITY TESTING LABORATORY expressly disclaim any and all responsibility for the validity of this report. The collection of samples from the named cell lines was not witnessed, nor identities verified in compliance with established chain of custody guidelines. Therefore, the results of this test should not be considered legally valid and no warranty.

Deoxyribonucleic acid (DNA) was extracted and genetic loci were amplified from samples provided to the DNA Identity Testing Laboratory of Bio-synthesis, Inc. the conclusion has been verified as true and correct relative to the DNA profiles presented herein and the biographical data provided by the customer.

  
Miguel Castro, Ph.D.  
Director  
06/25/15

Sworn and Subscribed before me this  
25<sup>th</sup> day of June 2015,  
  
\_\_\_\_\_  
Notary Public, State of Texas





	Sample Name	Marker	Allele 1	Allele 2	Allele 3	Allele 4	Allele 5
1	AS1778ID1 2015.6.17	D8S1179	14	15			
2	AS1778ID1 2015.6.17	D21S11	31	32.2			
3	AS1778ID1 2015.6.17	D7S820	7	10			
4	AS1778ID1 2015.6.17	CSF1PO	12				
5	AS1778ID1 2015.6.17	D3S1358	16	17			
6	AS1778ID1 2015.6.17	TH01	10				
7	AS1778ID1 2015.6.17	D13S317	10				
8	AS1778ID1 2015.6.17	D16S539	11				
9	AS1778ID1 2015.6.17	D2S1338	17				
10	AS1778ID1 2015.6.17	D19S433	13.2	16			
11	AS1778ID1 2015.6.17	vWA	17	18			
12	AS1778ID1 2015.6.17	TPOX	8	9			
13	AS1778ID1 2015.6.17	D18S51	15	17			
14	AS1778ID1 2015.6.17	D5S818	11	12			
15	AS1778ID1 2015.6.17	AMEL	X		<i>female</i>		
16	AS1778ID1 2015.6.17	FGA	20				
							<i>Uc 6/25/15 nc 6/25/15</i>

