(1) UBIGER

## STR Authentication Report For Cell Line

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1. Cell Name: K-562

- 2. Test Method: DNA was extracted using the genome extraction kit (Axygen), amplified using a 21- STR amplification protocol, the STR loci and gender gene Amelogenin were detected on the ABI 3730XL Genetic Analyzer.
- 3. Sample gene genotype analysis result:

	Genotype	analysis resu	ılts of STR and	Amelogenin l	oci in cells		
STR Loci	STR profile for Sample cell  Cell name: K562			STR profile for Cell Bank cell Cell name: K-562			
	D5S818	11	12	NBIC	11	12	
D13S317	8	8		8	8	-61	
D7S820	9	11		9	11	- IBIGE	
D16S539	11	12		11	12		
VWA	16	16		16	16		
TH01	9.3	9.3		9.3	9.3		
AMEL	Х	Х		Х	Х		
TPOX	8	9		8	9		
CSF1PO	9	10	UBIC	9	10		
D12S391	23	23				a E	
FGA	21	24				NIBION	
D2S1338	17	17					
D21S11	29	30	31.0				
D18S51	15	16					
D8S1179	12	12					

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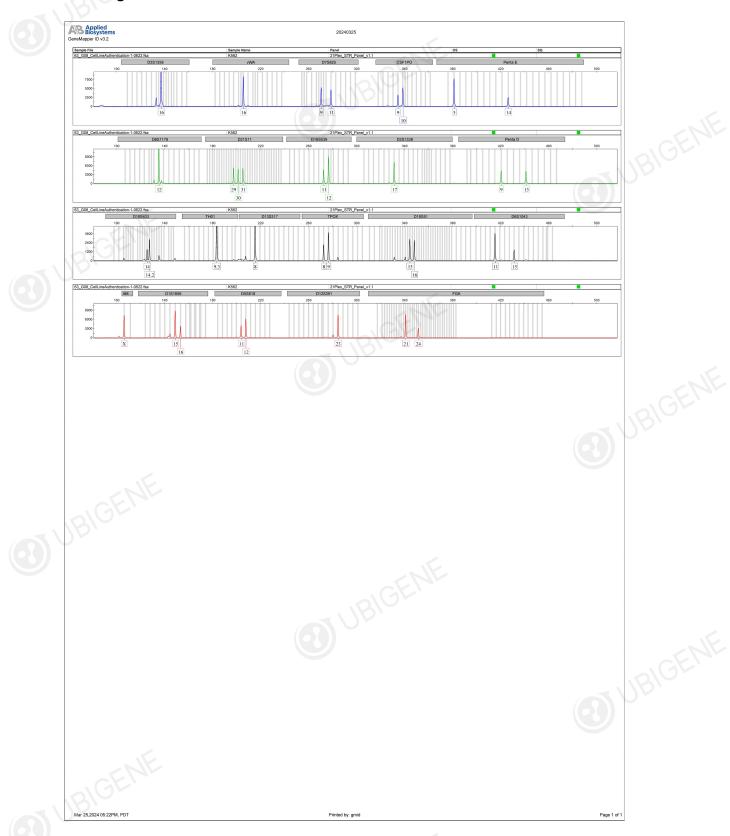
D3S1358	16	16			
D6S1043	11	15			
PENTAE	5	14	. C	ENE	
D19S433	14	14.2	UBIC		
PENTAD	9	13			757
D1S1656	15	16			* 11BIO

4. Conclusion: The STR results of  $\underline{\text{K-562}}$  cells are consistent with the genotypes of  $\underline{\text{K-562}}$  cell lines in  $\underline{\text{DSMZ}}$  database, the cell ID corresponded to  $\underline{\text{CCL-243}}$ , and the STR results completely matched. In the test, Multi allele was found in this cell line.

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## 5. Attached Image



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