

Brief Introduction of AY60 STR Detection Kit

2. Features of AY60

1. **8-color fluorescence** detection platform, which can simultaneously amplify **60** loci, including 20 autosomal STR loci, 29 Y-STR loci with low mutation rate (mutation rate less than 1%), **7 rapid mutant Y STR loci** (mutation rate is higher than 1%), and 3 Y indel with very low mutation rate.
2. AY60 can complete the construction of high-quality autosomal database + Y chromosome database at the same time in one reaction.
3. AY60 contains 35 core/preferred loci for Y-chromosome database construction.
4. **Strong compatibility**, compatible with the direct amplification of various samples and the amplification of purified DNA.
5. Rapid amplification, **the whole process is 70min theoretically.**

4.1 Components and Contents of AY60 STR Detection Kit

Components of PCR Amplification Kit	100 Reactions
2.5× PCR Mix	1000μL× 1
5× Primers	500μL× 1
PCR Grade Water	1000μL× 1
Control DNA 9948(0.5ng/μL)	20μL× 1
Taq DNA Polymerase	100μL× 1

Components of PCR Detection Kit	100 Reactions
Allelic Ladder	25μL× 1
Orange-640	120μL× 1

Components of Matrix Kit	Free of charge for the first time
8 Dye Matrix	50μL× 1

4.2 Reaction System of AY60 STR Detection Kit

Component	25 μ L System	10 μ L System
2.5 \times PCR Mix	10.0	4.0
5 \times Primers	5.0	2.0
PCR Grade Water	8.0	2.6
Control DNA 9948(0.5ng/ μ L)	1.0	1.0
Taq DNA Polymerase	1.0	0.4
Total Volume	25.0	10.0

Note: Customers are not recommended to adopt reaction systems under 10 μ l.

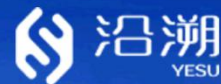
4.3 Reaction System and Procedures of AY60 STR Detection Kit

AY60	
28-30 Cycles	{ 95°C/3m 95°C/5s 60°C/90S 60°C/10m
Reaction Time:~ 70min	
*The number of cycles may vary in accordance with the specific conditions of the laboratory.	

WE ARE JUST ON THE WAY
THANK YOU.



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Website: <http://www.dnatechlab.com/>



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