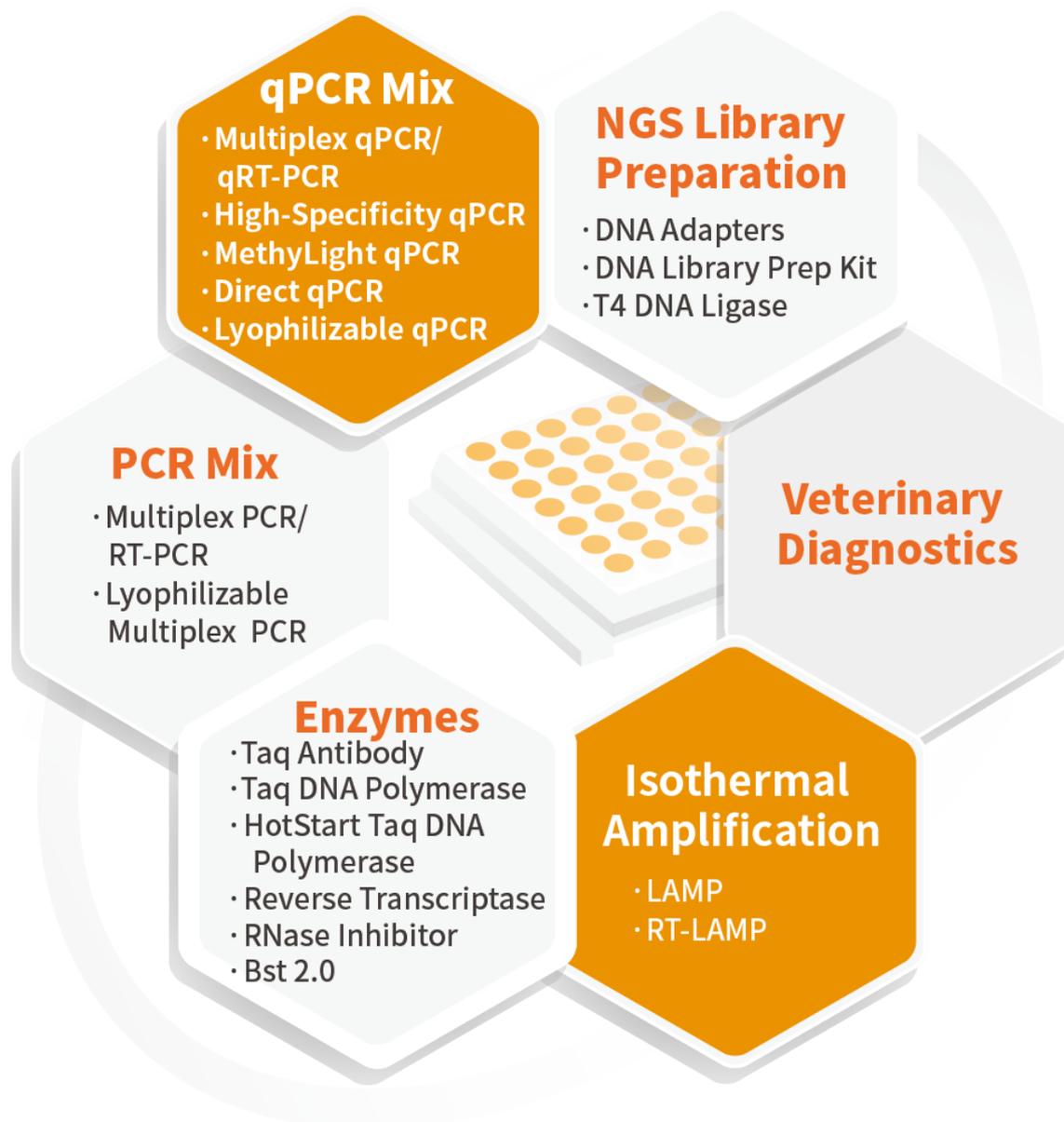


Reagents for Molecular Diagnostics



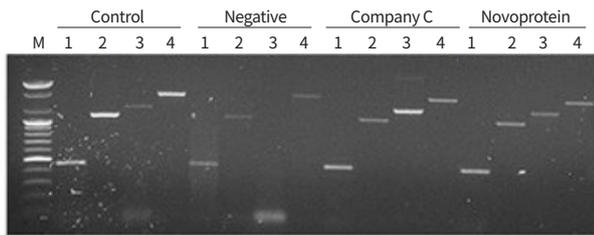
Cat. No.: Z087

Taq Antibody

- Based on good blocking, it can inhibit non-specific amplification effectively
- Antibodies are inactivated during PCR pre-denaturation (95 °C , 30s), and do not affect normal PCR reactions
- Rigorous quality control, RNase free, no exonuclease/endonuclease activity

Taq Antibody for hot-start PCR. Taq Antibody is a monoclonal antibody that binds Taq DNA polymerase and inhibits its activity until reaction temperature is elevated. At that point, the Taq Antibody is denatured and Taq DNA polymerase is released, allowing DNA synthesis to proceed. Nonspecific amplification due to mispriming and/or formation of primer dimers during PCR assembly is prevented. As a result, experimental background is significantly decreased, and reaction specificity is increased.

Amplification Specificity The target gene was amplified after Taq antibody bound to Taq DNA polymerase. The results showed that Novoprotein Taq antibody (#Z087) has higher specificity.

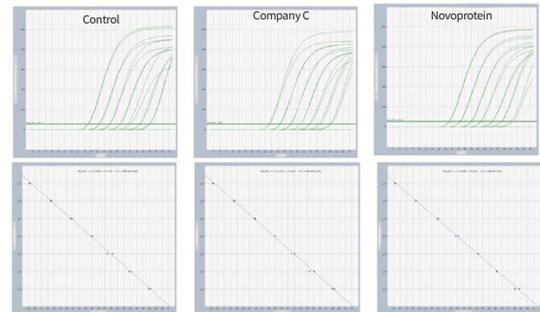


Control: hotstart taq premix

Company C: Taq Antibody + Taq DNA polymerase (1U:1U)

Novoprotein: Taq Antibody + Taq DNA polymerase (1U:1U)

Amplification Efficiency The target gene was amplified after Taq antibody bound to Taq DNA polymerase. The results showed that Novoprotein Taq antibody (#Z087) has better efficiency.



Copy	Control		Company C		Novoprotein	
	-0.3183	-0.3208	-0.3199	-0.3237	-0.3093	-0.3165
Linearity	0.9987	0.9986	0.9991	0.9979	0.9995	0.9990
Efficiency	108%	109%	109%	111%	104%	107%
1.00E+07	19.19	19.14	19.21	19.28	19.22	19.16
1.00E+06	22.59	22.41	22.52	22.62	22.43	22.50
1.00E+05	25.58	25.82	25.92	25.80	25.90	26.02
1.00E+04	29.08	28.81	29.02	29.02	29.11	28.75
1.00E+03	32.28	31.38	32.02	31.51	32.36	32.26
1.00E+02	34.77	35.15	35.15	34.42	35.19	35.17
1.00E+01	38.12	37.85	37.91	38.28	38.72	38.09
NTC	Undetermined					

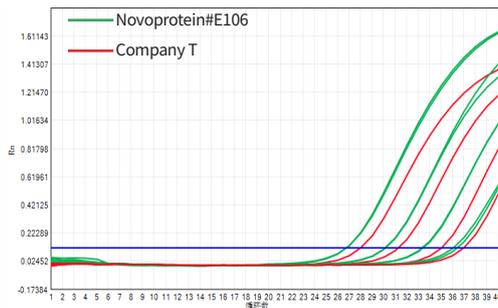
Cat. No.	Product Name	Size
Z087-01A	Taq antibody	250U
Z087-01B		250U×5
Z087-KDAA-M001	Taq antibody(Glycerol-Free)	20KU(20U/μl)
Z087-KDAA-M010		200KU(20U/μl)

Cat. No.: E106

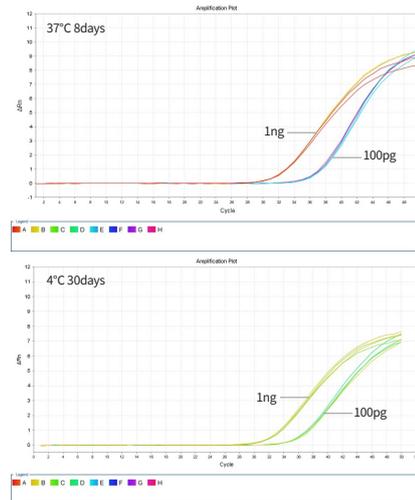
Probe qPCR Mix

- Optimized for multiplexing, validated for quadplex gene expression and genotyping assays
- Carry-over contamination control, contains UDG
- Robust stability and good repeatability
- lyophilizable

Amplification Sensitivity With ASFV as the template, Novoprotein#E106 and probe qPCR reagents of other brand(Company T) were used for amplification under the same reaction conditions. The results showed that Novoprotein#E106 had higher detection sensitivity than similar products.



Stability after Lyophilization The target gene was amplified after lyophilized. Novoprotein#E106 were placed at 37 °C /4 °C for days. The results showed that there was no significant difference between lyophilized Novoprotein#LYE106 and Novoprotein#E106.



Cat. No.	Product Name	Size
E106-01A	NovoStart® Probe qPCR SuperMix (UDG)	1ml×5
E106-01B	NovoStart® Probe qPCR SuperMix (UDG)	1ml×25
FLE106-01A	NovoStart® Probe qPCR SuperMix (UDG, for-Lyo)	1ml×5
FLE106-01B	NovoStart® Probe qPCR SuperMix (UDG, for-Lyo)	1ml×25
LYE106-01A	NovoStart® Probe qPCR SuperMix (UDG, Lyo)	500 次
LYE106-01B	NovoStart® Probe qPCR SuperMix (UDG, Lyo)	500 次 × 5
E091-01A	NovoStart® Probe qPCR SuperMix	1ml×5
E091-01B	NovoStart® Probe qPCR SuperMix	1ml×25

Novoprotein Scientific Inc.

Dedicated & Professional

Novoprotein Scientific Inc. (Novoprotein) is a high-tech enterprise with more than 10 years of extensive experience in the recombinant protein industry, focusing on protein technology, and advanced in R&D, production, sales, and application solutions to raw materials and techniques for biopharmaceuticals, in vitro diagnosis, mRNA vaccines, and basic life science research. Our principal products include target proteins and cytokines, recombinant antibodies, molecular enzymes and reagents, as well as providing related technical services. Novoprotein possesses R&D and manufacturing bases in Shanghai, Suzhou, and Heze.



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