

Takara Real Time PCR Kits and Enzymes

1 - Cycleave Kits

- Cycleave PCR Core Kit
- Cycleave PCR Anthracis Detection Kit
- Cycleave PCR Bovine Sexing Kit
- Cycleave PCR Mycoplasma Pneumonia Detection Kit
- Cycleave PCR Salmonella Detection Kit
- Cycleave PCR O157 (VT1/VT2) Detection Kit
- Cycleave PCR Meat Species Identification Kit
- Cycleave Human ALDH2 Typing Probe/Primer Set

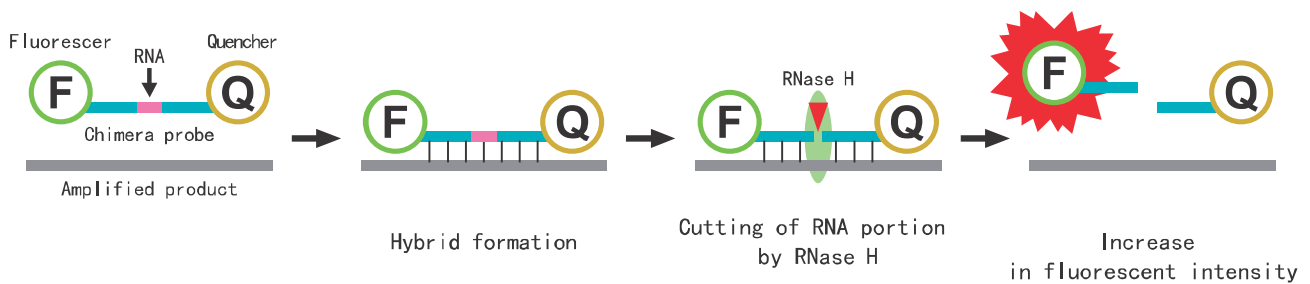
2 - Enzymes and Premix

- Premix Ex Taq R-PCR (also available with SYBR Green I)
- Real Time One Step RNA PCR Kit

Cycling Probe Technology*

Highly Sensitive and Specific Detection of Amplification in Real-Time PCR

Utilizing a combination of chimera probe, composed of RNA and DNA, and RNase H. The specific sequence of target gene to be amplified can be detected efficiently during or after amplification by this method.



Multiple Probes Detection • Internal Control Amplified • Highly Specific SNP Detection • Multiplex Amplification

CycleavePCR™ Bovine Sexing Kit

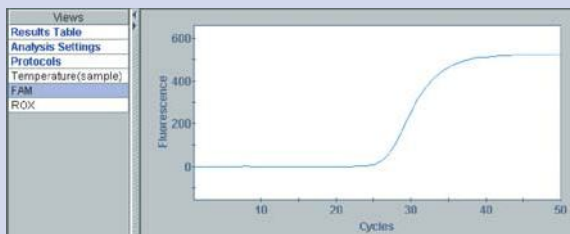
Male will show amplification in both FAM and ROX channels.
Female only shows amplification in ROX channel.

Detection of X chromosome



ROX amplification curve : Signal from X chromosome.

Detection of Y chromosome



FAM amplification curve : Signal from Y chromosome.

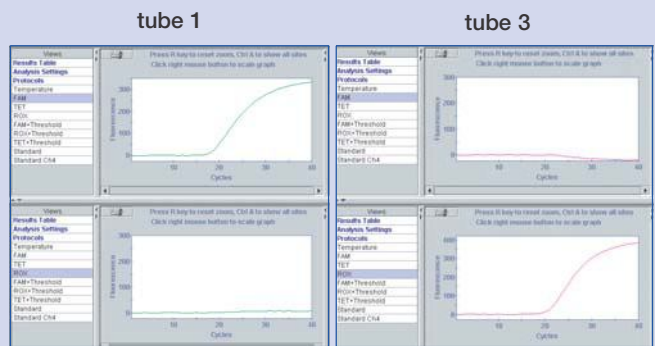
CycleavePCR™ Meat Species Identification Kit

Beef, Pig, Chicken, Horse and Sheep

Judgement example

Sample ID	FAM Std/Res	FAM Ct	ROX Std/Res	ROX Ct	No...	TET Std/Res	TET Ct	Status
No.4-1	POS	22.77	POS	21.42		POS	20.56	OK
No.4-2	NEG	0.00	NEG	0.00		POS	20.44	OK
No.4-3	POS	25.50	NEG	0.00		POS	20.22	OK
No.5-1	POS	18.87	POS	27.44		POS	23.27	OK
No.5-2	NEG	0.00	NEG	0.00		POS	23.31	OK
No.5-3	NEG	0.00	NEG	0.00		POS	21.47	OK

Sample No. 4: Beef, Pork and Horse are in the sample.
Sample No. 5: Beef and Pork are in the sample.



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