

A T C A T C G T A T C C A T C C C T A T C C A T C C C T
T C A T C C C T A T C G C T T C C A T C T G C T T C A
A T C T T C A T C C G T A T C T G C T T C C A T C T G C T
C C A T T T C A T C C G T A T C
G C T T C C A T C C C T A T C G C
T C A T C C A T C C C T A T C T G C T T C C A T C T G C T



BIOTECON Diagnostics

foodproof®

Animal Identification Kits

Hydrolysis Probes

For safer food – BIOTECON Diagnostics – simply builds up trust!

Recent incidents of undeclared impurities of horse meat in food products caused public alarm and loss of confidence in the role of producers and the Government in the food supply. Animal feed manufacture, livestock production, slaughter and the use or disposal of animal by-products are now controlled in ways unimagined prior to the identification of animal species. Traceability has become an important issue for consumers and for the multiple retailers that service consumer needs.

The **foodproof® SL animal identification kits** provide increased precision in differentiating closely related species, as well as identifying intentional and accidental adulterants and contaminants.

Fast: < 3 h to result with ≤ 60 min hands-on time.

Safe: Prevention of false-negative results by internal control.

Easy: Convenient real-time PCR kit including gene-specific primer and probe, reagent and control



Specificity

100% exclusivity for non-target DNAs

Sensitivity

Limit of detection: 0.1 - 10 GE

Matrices

Multiple matrices including food, feed and environmental samples

Animal Species

- Horse
- Bovine
- Chicken
- Pork
- Sheep
- Goat

A T C A T C G T A T C C A T C C C T A T C C A T C C C T
 T C A T C C C T A T C G C T T C C A T C T G C T T C A
 A T C T T C A T C C G T A T C T G C T T C C A T C T G C T
 C C A T T T C A T C C G T A T C
 G C T T C C A T C C C T A T C G C
 T C A T C C A T C C C T A T C T G C T T C C A T C T G C T



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Workflow



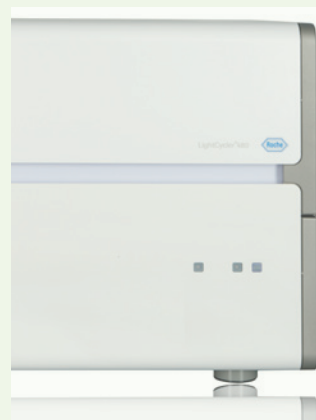
Start
Sample Homogenization



DNA Extraction
approx. 40 min



PCR Setup
approx. 10 min



Real-time PCR Run
approx. 100 min

Analysis Results in 2,5 h

foodproof® SL Animal Identification Kits

- Z 730 01 foodproof® SL Porcine Species Detection Kit
- Z 730 02 foodproof® SL Bovine Species Detection Kit
- Z 730 03 foodproof® SL Sheep Species Detection Kit
- Z 730 04 foodproof® SL Horse Species Detection Kit
- Z 730 05 foodproof® SL Chicken Species Detection Kit
- Z 730 06 foodproof® SL Goat Species Detection Kit

Specific DNA Extraction Kits

- S 400 06.1 foodproof® Sample Preparation Kit III - high quality column purification
- S 400 13 L foodproof® Magnetic Preparation Kit III - automated purification



Storage at -15 °C to -25 °C
50 Reactions with a final volume of 20 µl

DNA Extraction

foodproof® Sample Preparation Kit III

- Enables the extraction of animal and plant DNA from food and feed

foodproof® Magnetic Preparation Kit III

- High-throughput automated DNA extraction

Instrument Compatibility

- The foodproof® SL 5'Nuclease kits are available for qPCR platforms using TaqMan® technology

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