

INDUSTRIAL
DIVISION



READING NATURE

ANIMAL TESTING

Determine meat authenticity and detect adulterations of meat such as pork, lamb, goat, horse, turkey, duck, chicken, and more

THE IMPORTANCE OF ANIMAL AUTHENTICITY

Since the outbreak of the horse meat scandal in 2013, food adulteration/authenticity, traceability and identification of animal species has become an important issue for meat producers and retailers. Animal species detection can check product purity and it also controls potential food fraud through the verification of the animal species used in meat products.

An ideal animal testing service should be able of quantitative measurement particularly in those cases where a certain level of contamination is permitted by legislation. TAAG genetics offers an animal testing service to reliably semi-quantitative contamination of foreign DNA with a limit of detection (LOD) below the officially required level of 0.1%. Our tests are applicable to various matrices including raw, processed, cooked meat, animal feed and animal products.

Advantages of TAAG animal testing service:

- Screening of multiple (up to twelve) animal species in parallel for one price;
- DNA sequencing to identify the species present;
- Purity testing for quantitative determination of unknown adulterants;
- Semi-quantitative results of the species present (10% range);
- Our tests can be applied on highly processed food;
- Level of detection as low as 0.1 %;
- Fast turnaround time: 3 days.

Some examples of our animal testing services:

	Service	
	ID testing	Quantitative adulteration
Description	Identification of any animal specie.	Quantitative detection of beef, pork, chicken, horse, sheep, goat, duck, goose, turkey, mouse, dog and cat.
Result example	Oncorhynchus keta (salmon)	90% beef; 10% horse
TAT	6 days	3 days

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