



DNAnimal Kits

Species Testing Made Easy

Animal species identification especially in food products has increasingly gained attention due to public health, legal or even economic concerns. As a consequence, there is the **need to specifically and sensitively identify different animal traits within many types of food and feed samples** including highly processed food. This goes well in alignment with a great attention paid to the labelling of food of high quality end products.

Technologies have advanced over the last years and real-time PCR has become a routine reliable method. Due to the presence of multiple copies of mitochondrial DNA within the cells the mitochondrial genome is a preferential target when aiming for a highly sensitive real-time PCR method. Overall, the combination of an efficient sample preparation, DNA isolation and subsequent sensitive real-time PCR enables you to detect even traces of your target DNA.

Gold Standard Diagnostics offers a full portfolio of Simplex **DNAnimal** kits covering a broad range of common animal species with the addition of an internal positive control (IPC) to detect potential matrix inhibition effects. This range is completed by a full offer of DNAs provided in defined concentrations. Striving to drive efficiency within testing laboratories, Gold Standard Diagnostics developed **four new DNAnimal Mplex kits targeting in total 12 animal species**.

Key Benefits

- Open real-time PCR platform use
- Harmonized cycler protocols amongst the different animal target species
- Multiplex kits to enable your efficiency in the laboratory
- High sensitivity of 0.1% measured in w/w
- Evaluation tools to facilitate your data read-out in the laboratory



Gold Standard Diagnostics Full Workflow Solutions



Sample Matrix



**Sample Preparation
(Grinding)**



**Sample Lysis &
DNA Isolation**
iMAGo Food



**DNA Analysis
Real-Time PCR**
DNAnimal



**DNA Analysis
Readout**

DNAnimal Multiplex Kits Portfolio

Product Name	Article No.	Quantity
DNAnimal Mplex I: Rabbit/Muscovy/Mallard Duck	HU0070001	2 x 48 reactions
DNAnimal Mplex II: Waterbuffalo/Turkey/Sheep	HU0070002	2 x 48 reactions
DNAnimal Mplex III: Goat/Pig/Bison	HU0070003	2 x 48 reactions
DNAnimal Mplex IV: Equus/Cattle/Chicken	HU0070004	2 x 48 reactions

DNAnimal Simplex Kits Portfolio

Product Name	Article No.	Quantity
DNAnimal Screen Halal IPC (LR)	5422221210	96 reactions
DNAnimal Screen Mammal & Bird IPC	5422212110	96 reactions
DNAnimal Screen Ruminant IPC	5422221110	96 reactions
DNAnimal Screen Fish IPC	5422211310	96 reactions
DNAnimal Screen Bird IPC	5422211410	96 reactions
DNAnimal Ident Beef IPC	5422220610	96 reactions
DNAnimal Ident Pork IPC	5422211910	96 reactions
DNAnimal Ident Pig HS IPC (LR) High Sensitivity	5422211810	96 reactions
DNAnimal Ident Meat IPC	5422212010	2 x 48 reactions
DNAnimal Ident Chicken IPC (LR)	5422221010	96 reactions
DNAnimal Ident Duck IPC	5422220410	96 reactions
DNAnimal Ident Goose IPC	5422220810	96 reactions
DNAnimal Ident Turkey IPC	5422211510	96 reactions
DNAnimal Ident Goat IPC	5422211610	96 reactions
DNAnimal Ident Sheep IPC	5422211710	96 reactions
DNAnimal Ident Horse IPC	5422220110	96 reactions
DNAnimal Ident Water Buffalo IPC (LR)	5422220910	96 reactions
DNAnimal Ident Donkey (LR)	5422220210	96 reactions