

Milk adulteration | Rapid test



## The only fully quantitative rapid test for milk adulteration

### Rapid Test Cow

A Lateral flow test for the quantification of Cow's milk in Sheep's, Goat's or Human's milk.

### Rapid Test Goat

A Lateral flow test for the quantification of Goat's milk in Sheep's milk.

Quantify and accreditate your results from negative to >2% adulteration



**PROGNOSIS**  
BIOTECH

- Lateral flow in dip stick format available in 30 and 120 test sticks.
- Quantify your results from negative to >2% adulteration.
- Clear-easy to interpret Visual Results.
- Ultra sensitive method - 0.1 % of the mixture in milk.
- Easily identify results with more than 50 % adulteration.
- Highly selective antibodies. No false positive-negative results.
- Low Procedure time, only 3 minutes.
- Easy to use, no special equipment required, all disposables included.
- Trace adulteration also in Cheese.
- Suitable for testing in the field & in the Laboratory.
- Shelf Life: 12 months Storage 15-25 °C.



**Bio-Shield Cow** is an ELISA test for the quantification of Cow's milk in Sheep's or Goat's milk.

- Up to 4% adulteration with no need for extra dilutions.
- Low Limit of detection (LOD) of 0.03 % combined.

**Bio-Shield Goat** is an easy to use, innovating and patented ELISA test for the quantification of Goat's milk in Sheep's milk.

- Up to 25 % adulteration with no need for extra dilutions.
- Low Limit of detection (LOD) of 0.06 % Goat's milk in Sheep's milk.

**Bio-Shield Cow Cheese** is an ELISA test, especially designed to detect the composition of cow milk in mature soft cheese milk.

- Up to 4% adulteration with no need for extra dilutions.
- Low Limit of detection (LOD) of 0.04 % Cow's milk.

# Milk adulteration

## Elisa

### Bibliography

**Natsaridis N, Ntantasios A, Papageorgiou G and Gotso-poulos M**, Quantification of cow's milk percentage in dairy products with a novel lateral flow device. IAFP's European Symposium on Food Safety. 11-13 May 2016, Athens, Greece. (Poster presentation)

**E. Pidiaki, A. Manouras and E. Malissiova (2016)** Assessment of Feta cheese adulteration in the region of Thessaly, Greece—implications for consumer protection. European Symposium for Food Safety-International Association for Food Protection, Athens (poster presentation)

