

AflaSensor nova

Tailored Aflatoxin Detection Kits for All Authorized Limits



Cow, Goat &
Sheep Milk

Validated by

ILVO

Aflatoxin is carcinogenic and toxic, ...

Some *Aspergillus* spp. molds grow on plant products such as animal feed, and produce the mycotoxin Aflatoxin B1. Rising global average temperature and humidity has given rise to this contamination.

Animals consuming contaminated feed produce milk containing the metabolite Aflatoxin M1.

This molecule is proven to be carcinogenic and toxic. Its detection, and management at as low levels as possible, is not only demanded by law, but is an ethical need for any processor of milk.

To meet regulatory requirements and safeguard public health, Unisensor offers two tailored solutions:



KIT041N - AflaSensor nova quantitative rapid test kit combines ultra-level sensitivity with advanced robustness and simple handling.

It makes managing the grave Aflatoxin risk simple and fast, for all major types of milk.

KIT078N - AflaSensor nova 500: Optimized for environments where higher levels of aflatoxin (200 to 1250 ppt) must be monitored, in alignment with Codex Alimentarius recommendations.

These rapid and quantitative kits empower dairy producers to manage risks effectively, regardless of the regulatory standards they face.

...manage the risk confidently, rapidly



FEATURE	KIT041N	KIT078N
DETECTION RANGE*	20 TO 150 PPT	200 TO 1250 PPT
LIMIT OF QUANTIFICATION*	20 PPT (0.02 µg/kg) LOQ GUARANTEED	200 PPT (0.2 µg/kg) LOQ GUARANTEED
REGULATORY COMPLIANCE	EU STANDARDS: 25 PPT (INFANT FORMULA), 50 PPT (MILK)	CODEX ALIMENTARIUS: 500 PPT (MILK)
COMPATIBLE MATRICES	RAW COW, GOAT, AND SHEEP MILK	RAW COW MILK
RESULTS	RESULTS IN JUST 10 MINUTES	

Whether you need to comply with stringent EU standards or monitor higher contamination levels in other markets, our kits provide precise and reliable solutions. Choose the kit that best fits your regulatory and operational needs for managing aflatoxin M1 in milk.

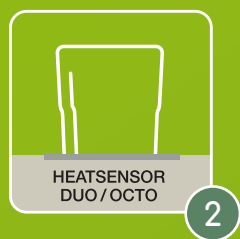
** Detection range and limit of quantification are for cow milk.
For goat and sheep refer to product documentation.*



Test in 5 Easy Steps



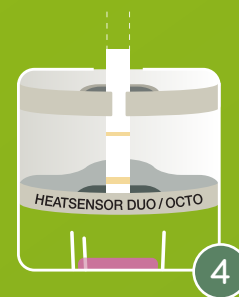
Mix 200 µl of milk and reagents



Place the microwell on the heating block



Start incubating the reagents at 40°C for 3 minutes



After incubation, the strip automatically immerses, and reagents migrate for 7 mins at 40°C

A TOTAL INCUBATION TIME OF 10 MINUTES



Read the results with ReadSensor 2 (*)



**You
Tube**

Need guidance? Scan the QR code to see the test in action

(*) Every batch and species requires a separate method file

Product References

REAGENTS	
KIT041N	AFLASENSOR NOVA MILK 0.05 PPB - 96 TESTS
KIT078N	AFLASENSOR NOVA 500 MILK 0.5 PPB - 96 TESTS
KIT113	CTRL+ AFLA M1 - 50 PPT KIT041N
KIT109	CTRL+ AFLA M1 - 500 PPT KIT078N
INSTRUMENTS	
APP032	HEATSENSOR DUO
APP052	HEATSENSOR OCTO
APP088	READSENSOR 2

Unisensor - Who We Are

Our Mission

Bringing smart diagnostic solutions from the laboratory to the field.

We have consistently met field challenges by innovating with advanced, intelligent diagnostic solutions that go beyond traditional laboratory boundaries.

With our unmatched technologies, we don't simply strive for product enhancement, we aspire to revolutionize the contours of our industry.

Our Vision - Peace Of Mind in Food

Consumer confidence is essential for food producers. With our products, we help them guarantee superior quality food that meets consumers' expectations.





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