

SENSIStrip Multi Tree Nut Lateral Flow Test

Tree nut allergy is one of the most common food allergies, affecting roughly 0.5 to 1% of the population. Very low amount of tree nuts may cause severe symptoms in affected people. For this reason, sensitive detection systems for nut residues in production environment are required.

The **SENSIStrip Multi Tree Nut Lateral Flow Device** represents a highly sensitive detection system capable to detect residues of almond, brazil nut, cashew, hazelnut, macadamia, pecan, pistachio and walnut in rinse water and swab samples.

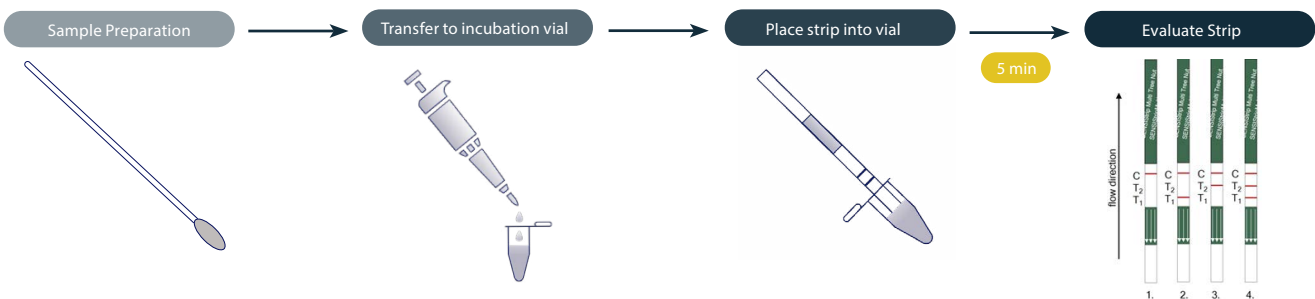
The kit is based on the principle of immunoassay. With only a few minutes of incubation time, they provide a very easy-to-use technique for adequate control at different stages of the food manufacturing process, across food rinse water and equipment.

Detection of 8 different tree nuts with only one strip test!

Easy to use and quick method

The SENSIStrip Multi Tree nut lateral flow devices are sensitive tools with very low limits of detection (≤ 8 mg/L for rinse water and ≤ 0.16 $\mu\text{g}/\text{cm}^2$ for swab samples).

The test is applied in a fast and easy way, without the need for a highly qualified end user. The kits are provided with all the necessary and ready-to-use material to perform 20 individual analyses per kit. In addition, an evaluation card is included to enable a semi-quantitative result, based on the intensity of the test line on the strip.



Results interpretation

1. **Negative**: visible control (C) line, no test lines (T_1, T_2)
2. **Positive (T_1)**: visible C line, visible T_1 , no signal for T_2
3. **Positive (T_2)**: visible C line, visible T_2 , no signal for T_1
4. **Positive (T_1/T_2)**: visible C line, visible T_1 and T_2

The different nuts are distributed across the two test lines according to the following scheme:

T_1	Almond	T_2	Hazelnut
T_1	Brazil nut	T_2	Macadamia
T_1	Cashew	T_2	Pecan
T_1	Pistachio	T_2	Walnut

Article No.	Lateral flow kits	No. of tests	LOD - Rinse Water	LOD - Surface
HU0030136	SENSIStrip Multi Tree Nut	20	8 mg/L	0.16 $\mu\text{g}/\text{cm}^2$
HU0030147	SENSIStrip Multi Tree Nut	5	8 mg/L	0.16 $\mu\text{g}/\text{cm}^2$