RANDOX TOXICOLOGY

ORGANOPHOSPHATE POISONING:
An Emerging Issue

What Are Organophosphates?

Organophosphates are a class of chemicals primarily used as pesticides. Ingestion of organophosphates can inhibit acetylcholinesterase, leading to a buildup of acetylcholine, resulting in severe neurological symptoms or death.

Why Organophosphate Testing Matters



Identify Suicides and Homicides

Increasingly found in post-mortem toxicology cases, organophosphate ingestion is becoming a more common method of suicide in low and middle-income countries.



Aid Death Investigations

A buildup in the system can confirm the level of exposure, time since exposure and type of organophosphate used.



Support Public Health Studies

Testing helps to track patterns of exposure in populations, especially in agricultural communities or areas with heavy pesticide use.



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NEW PRODUCT

Organophosphates Array

Randox have developed an immunoassay test for organophosphates, using Biochip Array Technology on the Evidence MultiSTAT.

First to Market

The only commercially available multiplex immunoassay that can test for organophosphates in blood in <30 minutes.

Streamline Investigations

Our rapid results allow you to provide information quickly to death investigators, local authorities, and public health officials.

Fully Automated Ease of Use

The Evidence MultiSTAT is a fully automated analyser; simply load the sample and press start.

Highly Accurate Results

Biochip results are comparable to confirmatory testing, providing you with reliable results you can trust.





Available on the Evidence MultiSTAT

Test Menu		Sample Type
Chlorpyrifos	Profenofos	Blood
Rogor (Dimethoate)	Paraquat	

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