



Cansford
Laboratories
Pioneering drug and alcohol testing

PEth and Blood EtG testing guide

What you need to know

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Introduction

Cansford Laboratories has launched a new test to further serve communities needing to assess historical and very recent alcohol consumption. The new test offers analysis of an additional blood marker – Ethyl glucuronide (EtG), which can be collected in the same dry blood spot (DBS) as Cansford's well established PEth (phosphatidylethanol) test.

What is PEth with blood EtG testing?

A new DBS panel from Cansford, means that clients can choose to have EtG analysis included with their PEth test.

What does it do?

"EtG" stands for Ethyl Glucuronide, and it is a metabolite of ethanol, the type of alcohol found in alcoholic drinks.

When you consume alcohol, your body metabolises it, and one of the metabolites produced is EtG.

- EtG can be detected in blood, urine, and hair.
- In blood and urine, EtG it is used as a marker for recent alcohol consumption.
- EtG (Ethyl Glucuronide) testing in hair is used to detect long-term alcohol consumption.

When is it used?

It can be used to assess compliance with court-ordered alcohol abstinence or probation, particularly in cases of individuals with a history of alcohol-related offenses.

EtG testing may also be used as a tool to monitor individuals receiving treatment for alcohol addiction.

Ethylglucuronide (EtG) can be detected in blood approximately 45 minutes after alcohol ingestion, and can still be detected following excessive consumption, up to 80 hours.

Its combination with blood PEth is complementary to assess recent drinking.

More about PEth and blood EtG

This dual DBS test is offered at no extra cost and allows Cansford to provide clients with important insight into both recent and longer-term alcohol use.

What else should be considered?

False-positive results can occur in cases where alcohol-containing products, like mouthwash or certain medications, are used, so the interpretation of EtG test results should consider these factors.

Why is it different to PEth?

A PEth test shows a person's consumption over the last 28 days – it provides an overview based on low, medium, and high use.

Ethylglucuronide (EtG) can be detected in blood approximately 45 minutes after alcohol ingestion.

It can still be detected following excessive consumption, up to 80 hours, and its combination with blood PEth is complementary to assess recent drinking.

Will this mean my clients get a different set of results?

It will show the results of the PEth test and then underneath that - EtG detected /not detected.

How is it collected?

Via DBS – it will be collected in the same sample as a PEth test.

When can I order it?

From January 8th, 2024.

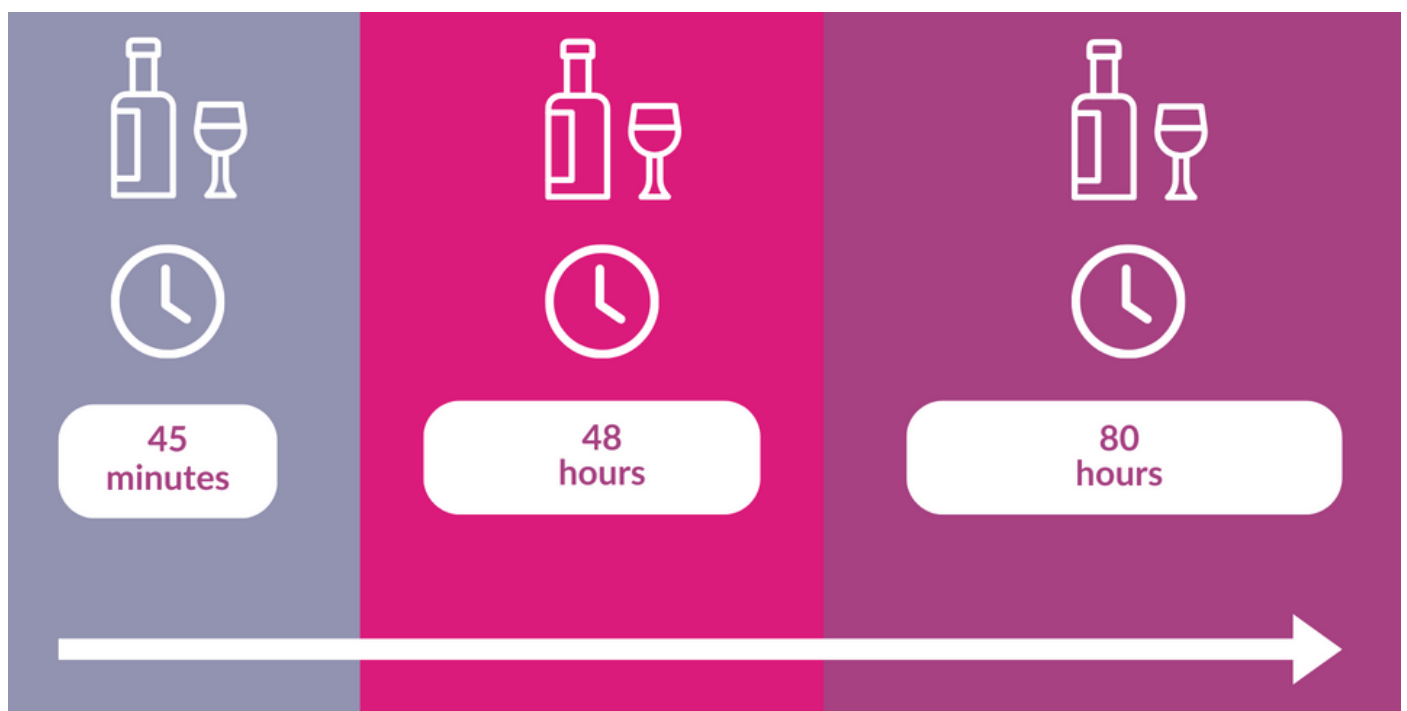
How can I order?

By simply emailing info@cansfordlabs.co.uk or calling us on 029 2054 0567 and letting us know that you'd like to include a test for blood EtG with your next PEth test.



Timeline for PEth and EtG testing

Ethylglucuronide (EtG) can be detected in blood approximately 45 minutes after alcohol ingestion, and can still be detected following excessive consumption, up to 80 hours. Its combination with blood PEth is complementary to assess recent drinking.



Results and considerations

Positive results can occur in cases where alcohol-containing products, like **mouthwash or certain medications**, are used, so the interpretation of EtG test results should consider these factors.

However, if products and/or medications are used in-line with the recommendations from the manufacturer, then we would **not expect the use of these to be the sole source** of EtG in the dried blood spot.

Why chose Cansford Laboratories for PEth with blood EtG testing?

1

Simply put, **Accuracy, Faster Turnaround** and **Excellent Value**

2

At the forefront of research and development for drug and alcohol testing, we are the **only UK laboratory to have invested in developing PEth testing in-house** to provide an accurate and less invasive form of blood testing of alcohol levels.

3

Because **we carry out PEth testing 'in-house'** Cansford is able to provide the same guaranteed turnaround as our hair testing service – **within three working days of receipt - meaning NO delays** through the use of external labs.

Order on
Monday



Results on Friday
the same week

1



Picking the right laboratory

It's essential you choose the **right lab with the right credentials and experience testing in your industry** – and ask them questions:



Are they a genuine, established, and reputable company?



Do they carry out tests in the UK (not overseas)?



Do they comply to the Society of Hair Testing (SoHT) guidelines?



Do they have an ISO/IEC 17025 standard rating?



Do they have experience with chain of custody?



Do they have dedicated reporting scientists who can help you understand the results? And appear at hearings such as panel or tribunal hearings?

“Top five factors when choosing the right lab: Proficiency, Speed, Cost, Accuracy, Accreditation.”

Why else choose Cansford?

We are **discreet, trustworthy and our work is done with the upmost confidentiality.**

We adhere strictly to **GDPR law and NDAs** at all times, protecting you and the donor (regardless of their job rank and position).



We are the **only laboratory in the UK testing for steroids in hair**, where 99% of the results are returned to you within three days or less.

We pride ourselves on a **3 working day turnaround time with back-to-lab testing.** Order Monday, get results Friday the same week...

We are **UKAS accredited for drugs and alcohol markers** to ISO 17025:2017 standards.

We are **leading members** of the Society of Hair Testing (SoHT), and The International Association of Forensic Toxicologists (TIAFT.)





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