



Representing:



OpticalSens

The Product



- O **ácido gama-hidroxibutírico**, também conhecido como ácido gama-hidroxibutírico, **GHB** ou ácido 4-hidroxibutanoico, é um neurotransmissor natural e um fármaco depressor.
- É um precursor do GABA, glutamato e glicina em certas áreas do cérebro. Atua no receptor **GHB** e é um agonista fraco do receptor GABA_B.
- O GHB tem sido usado na **medicina como anestésico geral** e no tratamento de **cataplexia, narcolepsia e alcoolismo**.
- É usado ilicitamente para **melhorar o desempenho**, estupro em encontros e recreação.



In close collaboration with the University of Valencia and Optical Sense Company, NanoArts by the BIOSCOPE Research Group – PROTEOMASS Society at the NOVA FCT – LAQV- REQUIMTE is representing and distributing the portavel sensor CELENTIS.

Technical Specifications

Detection Method: Highly noticeable color change due to chemical reaction.

Sensitivity: Detects concentrations as low as 0.1 mg/mL of GHB, ensuring protection against any attempt of intoxication.

Response Time: Immediate. Prevents intoxication by allowing users to instantly decide not to drink from a suspicious cup.

Easy Integration: Adaptable design available in various formats, such as wristbands, reactive strips, or adhesive cup labels.

Reusable: Unlike single-use devices, our wristband can be used multiple times if not activated.

Durable & Safe: Made from waterproof materials, resistant to exposure to water, sweat, and environmental conditions without compromising functionality.



- **Wristband Sizes:** Available in three widths – 19x250mm, 22x250mm, and 25x250mm.
- **Material:** DuPont™ Tyvek® for wristbands.
- **Customizable:** The wristband can be tailored to the client's needs, incorporating event-related information such as **QR codes with instructions** or **NFC technology** for purchases at concerts and festivals.
- **Branding:** The wristband's free areas can be customized with event sponsors' logos or advertising.



- **Usage Instructions**

- 1. Place a drop of your drink on the reactive area of the wristband.

2. Observe the result:

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Dark green colour change: Indicates the presence of **GHB** in the drink.

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Colour change from light yellow to orange to indicate the presence of **Burundanga, Ketamine, and Cathinones**.

3. If a colour change is detected, **DO NOT** consume the beverage and inform a trusted person or security staff.



- **Applications**
- **1. Events & Festivals** – Protection in large gatherings.
- 2. Nightclubs & Bars** – A preventive tool for nightlife safety.
- 3. Purple Points & Emergency Services** – Ideal for awareness and safety campaigns.
- 4. Personal Use** – A discreet and practical device for any occasion.



Pricing & Contact

- **Would you like more information about pricing and kit combinations?**
- Contact us to design the solution that best fits your needs. Our International commercial department will assist you in calculating the ideal quantities and in combining wristbands with verification vials according to the size of your event, venue, or institutional campaign.
- Write to us at nanoarts@bioscopegroup.org call us at **+351 916949133**.
- **Celentis is revolutionizing on-site detection of drink-spiking drugs, offering an accessible, reliable, and effective solution.**

The problem



**3 in 10 women have
suffered sexual assault in
the EU** (2023)



**1/3 of these attacks
occurred under chemical
submission**

+3000
Sexual assaults (2022)



1/3
Under chemical
submission





MOLECULAR SENSORS FOR THE DETECTION OF CHEMICAL
SUBMISSION DRUGS.

Contacts: nanoarts@bioscopegroup.org

Phone Number: + 351 916949133



In collaboration with the University of Valencia – Optical Sens Valencia

Drugs



Gamma hydroxy butyric acid [GHB]
Scopolamine [SCP]

Submission drugs known as: G, Georgia Home Boy, Goop,
Grievous Bodiy Harm, Liquid Ecstasy, Liquid X, Soap, Scoop...



Tasteless



Odorless



Colorless



Soluble



Effect at low doses



Rapid elimination



Amnesia



The solution



| TRL 7 | BRL 5



Product characteristics:

- Quick response
- Discreet
- Reusable
- Reliable
- Cost-effective
- Recyclable
- Space for branding/sponsorship





A Collaboration NOVA FCT – U. Valencia – Optical Sens

The team



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA



VNIVERSITAT ID VALÈNCIA

CEO



Luis A. Morró
+30 years of
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COO



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Dept. of Transfer and
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Dept. of Marketing and
Finance Strategies



Dr. Lisardo Fernández
Doctor in Computer
Engineering
+20 years of experience
creating StartUps



Senior researchers [+30 years experience]



Prof. Ramón Martínez
RSEQ Award for research
excellence. King Jaume I
Award for new
technologies. National
research award 2024.



Prof. Margarita Parra
EVAP Award. Forbes list of
100 most influential women in
Spain



Prof. Salvador Gil
Coordinator of more than
20 research projects.



Prof. Pablo Gaviña

Junior researchers [+10 years experience]



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