Secetar

-ice tartar for testing the safety of alcoholic drink

WHAT IS SECETAR

Secetar is designed to test the alcohol level of alcoholic drink and whether it contains date rape drugs, aiming to make sure that alcoholic drink is safe for people, especially women.

The surface of it could reflect different colors of light depending on the alcohol level. It will sound an audible alarm when date rape drugs are detected.



Secetar

BACKGROUND

Many young adults aim for a state of tipsiness or semi-drunk. But due to the current situation highly alcoholic drinks are often hidden in inconspicuous packaging. Plus, it's hard to prevent drink spiking. Alcohol and date rape drugs are the most frequently used drugs in drink-spiking incidents. Young women are common targets of drink spiking and the harms resulting include sexual assault, robbery, and unsafe sex. A survey shows that 35% of women say they have either had a drink spiked themselves or know someone who has or both.

Worry about getting drunk and unconscious

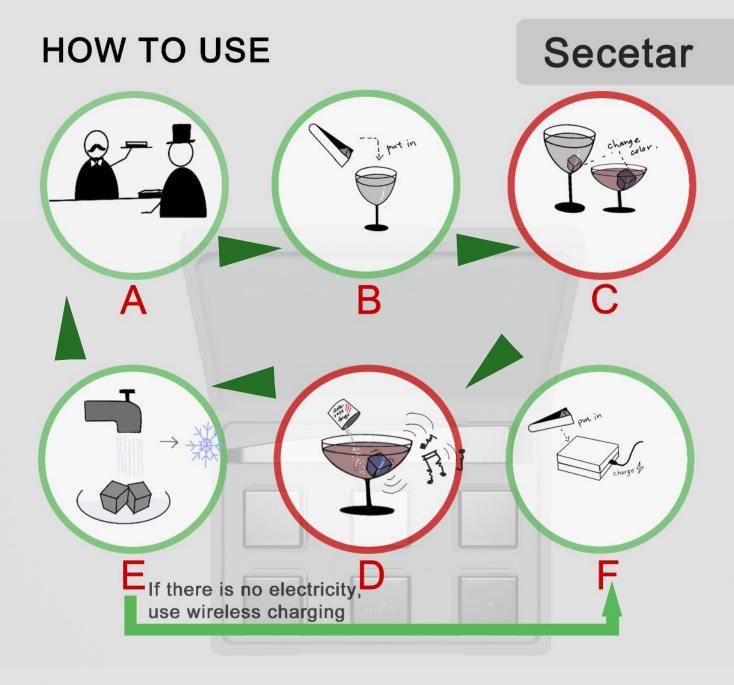
Risk of bar being drugged

Cocktails are imperceptible in terms of alcohol content

CONCEPT

Moderate drinking itself is not guilty, but those who use it to harm others are guilty. Secetar could test for alcohol level and date rape drugs. That means it can increase the safety of alcohol, to create a safer drinking environment. While allowing drinkers to drink at ease, it also serves as a warning to wrongdoers.





- A. The bar offers Secetar, or drinkers bring their own
- B. Place it into the drink
- C. Its surface reflects different colors of light depending on the alcohol level
- D. It sounds like an audible alarm when date rape drugs are detected.
- E. Wash and refrigerate it for the next use
- F. Put it in the box to wirelessly charge the internal audible alarm

Exploded diagram

Wireless charging

Prevent the trouble of disassembling and assembling charging



Psychedelic detection center

Analyze for the presence of drugs based on the ingredients detected by the sensor, If there is a safety hazard and make a sound

The surface is a fine screen hole that can be in contact with the sensor



The shell is a physical wrap of other originals for the normal function of ice wine stone



The sensor is guaranteed full contact on each side



A. Strong visual interaction.
Color changes directly reflect the alcohol level.



C. Wireless charging.
The internal date rape
drug detector can be
recharged wirelessly.



B. Audible alarm.
Secetar alerts
drinkers and warns
wrongdoers by the



D. Portable packaging. The box packaging is easy for drinkers to carry.



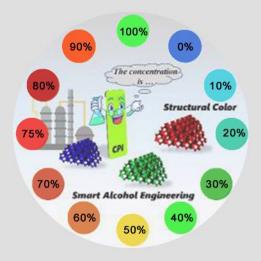
More about the technology of the product

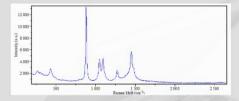
How does Secetar change color:

Portable colorimetric photonic indicator for ethanol concentration sensing

The novel portable colorimetric photonic indicator (CPI) that can distinguish alcohol with concentrations from 0 to 100 % was ingeniously fabricated by bridging the copolymer capable of autonomic solvent control with porous structure via shape memory photonic crystals (PCs). CPI shows an ultrafast color response (<1 s) to the perception of ethanol concentration and outputs structural colors from blue to red, with reflection covering 477 to 628 nm.

Alcohol content color change table





How does Secetar test for date rape drugs:

Spectroscopy is used to analyze the molecular components of beverages. If common drug ingredients are detected, an electronic sensor sends a signal to an audible alarm, causing it to sound an alarm.

How to charge Secetar wirelessly:

A certain frequency of alternating current in the primary coil produces a certain current in the secondary coil through electromagnetic induction. This transfers energy from the transmitter to the receiver.

