## Ethanol Fueled BREATHALYZERS, TESTED IN THE NAME OF SCIENCE. by Daniel Pund

□ this month: BARWARE

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## gearbox

PUT ASIDE FOR A MOMENT that if you are wondering how drunk you are, the answer is essentially always some version of "drunk." The precise level of your drunkenness is pretty meaningless. Further, let us say at the outset that if you feel compelled to test your blood-alcohol concentration (BAC), you should be immediately disqualified from driving. Nonetheless, the market is loaded with supposedly handy little devices of all shapes, sizes, and price tags to test the state of your buzz, ostensibly to make sure it's under the legal limit of 0.08-percent BAC. Could they possibly work? How about one that comes with an app for your phone? One that comes as a key chain? One that costs \$15? We gathered up four

BACTRACK

popular devices priced from \$15 to \$150 from three different manufacturers, reserved a corner booth at a local watering hole, apologized in advance to our waitstaff, and got down to business.



## A IPEGA ALCOHOL BREATH TESTER/\$15

The iPega, which attaches to the bottom of any portable Apple iOS device (or at least one old enough to use a 30-pin connector), uses the phone simply as a power source. It has its own easily fogged LCD screen, one so dim as to be nearly illegible in anything but daylight. All of that might be forgivable given that the iPega costs so little. But the unit simply does not work. We tried the iPega on four different people at various states of drunkenness over the course of the night, for a total of 23 times, and it never came close to the right answer. By the time BAC levels got to the 0.08-and-above range, the iPega habitually read only half as much. Junk.

DETAILS: No mouthpieces necessary/Powered through an Apple 30-pin connector, making it compatible with older Apple products.



## **■** BACTRACK KEYCHAIN/\$30

The idea that a breathalyzer small enough to carry on your key chain might actually work is beyond absurd. Yet the BACtrack Keychain is, somewhat shockingly, the winner of the test. At \$30, it's cheap. It doesn't rely on your phone for power or any apps with fancy graphics. It's quick and easy to use. And the Keychain also matches the performance of the \$150 BACtrack Mobile. In fact, when blood-alcohol concentrations got into the stupid range, well beyond the zone where not even the most irresponsible person would consider driving, the Keychain outperformed its more expensive BACtrack brother.

DETAILS: Comes with three mouthpieces, and a standard-style yet annoying key ring on which you will possibly lose a nail.



You should

