

## AlcoStop 2010 BrAC (Breath Alcohol Analyzer) Operation

Breath Alcohol screening device for the detection of alcohol.  
Measured in a litre of breath. Operates on a calibrated fuel cell sensor and is charged up ready for use.



Ensure person being screened has had **NIL by mouth for 10 minutes prior** to performing a test, - no cigarettes, food, tea, coffee, gum , alcohol etc

1. Press centre button to switch unit on.  
Device will beep and perform a self test
2. Screen will display 1) ACTIVE MODE/Ready
3. Insert mouthpiece provided and blow long and slowly into device (1 litre of breath required).
4. Unit will beep continuously until sufficient blow volume is reached. It will then click and say "analyzing"
5. Breath Alcohol Concentration (BrAC) will then be displayed i.e 507ug/L
6. After 10 minutes perform a 2nd test—press centre button to purge alcohol from device and reset for the next breath test



### Drugchek recommend the following guidelines for screening

- **Nil by mouth for 10 minutes prior to testing**
- Always perform two readings
- If the first reading is above 200ug/l, perform a 2nd reading after 10 minutes.
- If the second reading is still **above 200ug/L do NOT DRIVE—** (chances are your BrAC is moving up and you may in time well exceed the 250ug/L legal limit to drive) - see overleaf
- If the 2nd reading is **below 200ug/L** you are safe to drive providing you have no further alcohol intake.



**Disclaimer :** Drugchek NZ take no responsibility for erroneous readings, incorrect procedural use, mis-use or abuse of the device, resulting in a drink driving conviction. The Alcostop is a front-line breath alcohol screening device providing calibrated, accurate, rapid indicative breath alcohol concentration measurement and should be used as a guideline only.

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Interesting facts about breath (BrAC) or blood (BAC) alcohol concentrations

### **BrAC ( Breath alcohol concentration)**

BrAC when measured is either moving up (increasing) or decreasing. You will never get two readings the same. This is dependent on the following factors :

- How long the individual has been drinking (over what period of time)
- How much the individual has consumed in that time (how many drinks have been consumed)
- What choice of alcohol has been consumed (spirits, beer, wine, RTD's)
- Age, weight, gender and general health of the individual
- Whether any medications are being taken by the individual
- Whether food has been consumed before or while drinking alcohol.

### **Legal limit to drive in NZ < 250ug/L**

- Greater than 250ug/L but less than 400ug/L will incur 50 demerit points and a \$200 fine
- Greater than 400ug/L loss of license for 6 months minimum, plus a fine \$750.00 + (0.08 BAC)



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