

## BREATH ALCOHOL TESTING IS SCIENTIFICALLY INDEFENSIBLE; BUT, SOCIETALLY ACCEPTABLE !!!

1. No breath alcohol test system is specific for Ethyl Alcohol.
2. A breath alcohol test result is not a measurement on a 'Deep Lung' air specimen.
3. An inadvertent burp during a breath alcohol test session has been reported to cause a 4.8-fold increased result relative to a base-line value.
4. Otherwise reputable scientists have reported that breath alcohol test results do not correspond to nearly simultaneously obtained whole blood alcohol test results; thus, breath test results should be the preferred result for Medicolegal purposes{go figure}.
5. The theoretical partition coefficient for the 210 liter breath alcohol test result is not based upon a blood:air value; and, is variably reported/applied as 200, 210, 230, 240, or, 250 in diverse measurement settings.
6. Actual alcohol-equivalent volumes in breath alcohol test scenarios are reported in the Scientific Literature between 85 and 730 liters with a result of 0.083 per 210 L as a printed test result.
7. A breath alcohol test result can be considered to be about 99 percent likely to identify a corresponding whole blood alcohol value as about plus-or-minus 50 % of the reported breath alcohol test result.
8. At best, a breath alcohol determination is an excellent screening technique for volatile chemicals that are possibly altering a persons brain function.