

# Young Lin BAC Analyzer



*The Young Lin Blood Alcohol Concentration (BAC) Analyzer can precisely analyze the blood alcohol concentration of a suspect related to drunk driving or excessive drinking.*

*It can also distinguish dangerous or inedible alcohol by analyzing Methyl alcohol or alcohol metabolites in blood.*

*Using a Headspace system(Optional) with the Young Lin BAC Analyzer, you can analyze 40 sample injections at the same time. From sample preparation through the analysis process, anyone who has some knowledge of this analysis technique can achieve reliable results with the controllable autosampler and the BAC Analyzer.*





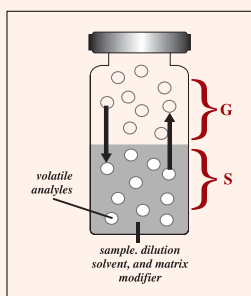
**Achieve total solutions for BAC analysis through our system. The Young Lin BAC Analyzer provides easy and rapid operation for optimum analysis.**

## Young Lin BAC Analyzer

### Features

- 1 set of BAC Analyzer includes all you need for BAC analysis
- Works with Young Lin Software (AT-2000) to provide fully coordinated system from sample preparation to printing out the result reports
- Precise results with APC (Advanced Pneumatic Control)
- Compact design to optimize space
- Efficient analysis by providing the best analysis condition and sample preparation that can be customized to meet your requirements

### Sample Preparation

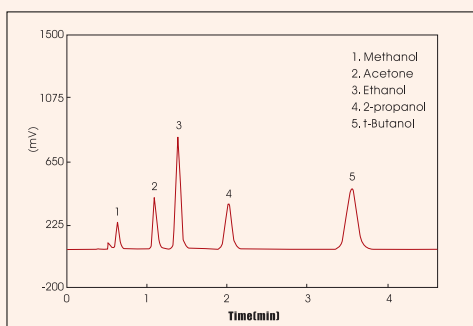


Test Solution : Sample Blood 200 ul + saturated NaCl 200 ul  
 + t-butyl alcohol (0.05 % : ISTD)  
 100 ul → Combine all into 10 ml Vial →  
 Heating at 65 °C for 15 min

### Analysis Condition

Injector : Packed  
 Detector : FID  
 Column : Carbowax 1500  
 Injector Temp. : 200  
 Detector Temp. : 200

Oven Temp. : 90 °C (Constant Temp)  
 Column Flow : 10 ml/min  
 Range : 0  
 Heating at 65 °C for 15 min  
 Inj. Vol. : 1 ml (gas)



RT(Min)	Peak Name	Arda(mV's)	Height(mV)	Conc.(%)
0.6	MeOH	461	188	0.05
1.1	Acetone	1262	360	0.05
1.3	EtOH	3155	765	0.05
2.0	IPA	1747	309	0.05
3.5	t-BuOH	3949	418	0.05

