



Pharmaceuticals

Barbiturates



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Barbiturates are sedatives which depress or slow down the body's functions. Often these drugs are referred to as tranquilizers and sleeping pills, or sometimes just as sedatives. Their effects range from calming down anxious people to promoting sleep. Both tranquilizers and sleeping pills can have either effect, depending on how much is taken. At high doses or when they are abused, many of these drugs can even cause unconsciousness and death. The DPS Barbiturates GC Systems are configured with the latest designed high resolution capillary columns and the sensitive FID detector to quickly detect these compounds. The Series 600 GC is for analyses in the lab, or use the Portable Companion 1 GC Systems for analyses right where the samples are taken. The fast heating and rapid cooling column oven in every DPS GC vastly increases your sample throughput. The fully integrated Barbiturates GC Analyzer Systems are small and lightweight and all DPS systems are modular for expandability, upgrades, and easy service.



Series 600 GC

Available Configurations Include:

- 600-C-103 - Series 600 Barbiturates GC Analyzer (FID, 30m)
- 500-C-103 - Companion 1 Portable Barbiturates GC Analyzer (FID, 30m)

Barbiturate Drugs



Companion 1 Portable GC

| Peak | Component | Area |
|------|-----------------|--------|
| 1 | Ethosuximide | 626.2 |
| 2 | Barbital | 594.6 |
| 3 | Methyprylon | 474.7 |
| 4 | Aprobarbital | 541.2 |
| 5 | Butalbital | 555.8 |
| 6 | Amobarbital | 560.4 |
| 7 | Pentobarbital | 549.3 |
| 8 | Secobarbital | 592.9 |
| 9 | Glutethimide | 913.1 |
| 10 | Meprobamate | 508.0 |
| 11 | Carisoprodol | 623.9 |
| 12 | Phenobarbital | 564.7 |
| 13 | Methaqualone | 1087.7 |
| 14 | Carbamazepine | 713.1 |
| 15 | Primidone | 673.1 |
| 16 | Diphenhydantoin | 528.0 |

