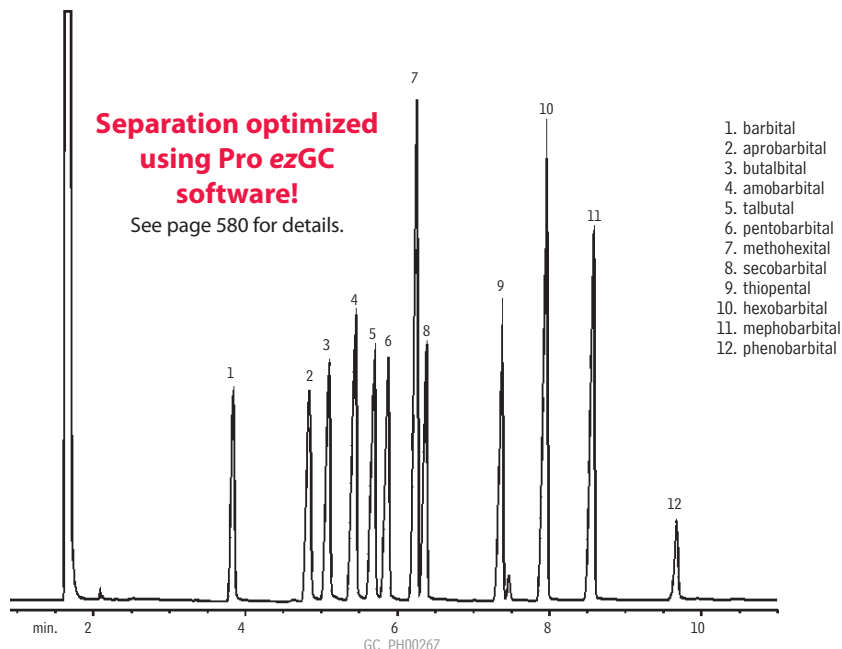


Barbiturates (Acidic/Neutral Drugs) (Underivatized)

Rtx®-35



1. barbital
2. aprobarbital
3. butalbital
4. amobarbital
5. talbutal
6. pentobarbital
7. methohexital
8. secobarbital
9. thiopental
10. hexobarbital
11. mephobarbital
12. phenobarbital

Column: Rtx®-35, 30m, 0.32mm ID, 0.50µm (cat.# 10439)  
 Sample: 1.0µL split injection of barbiturates  
 Oven temp.: 210°C (hold 2 min.) to 300°C @ 7°C/min. (hold 2 min.)  
 Inj./det. temp.: 300°C  
 Carrier gas: helium  
 Linear velocity: 35cm/sec. set @ 210°C  
 FID sensitivity: 5.12 x 10<sup>-10</sup> AFS  
 Split vent: 30:1

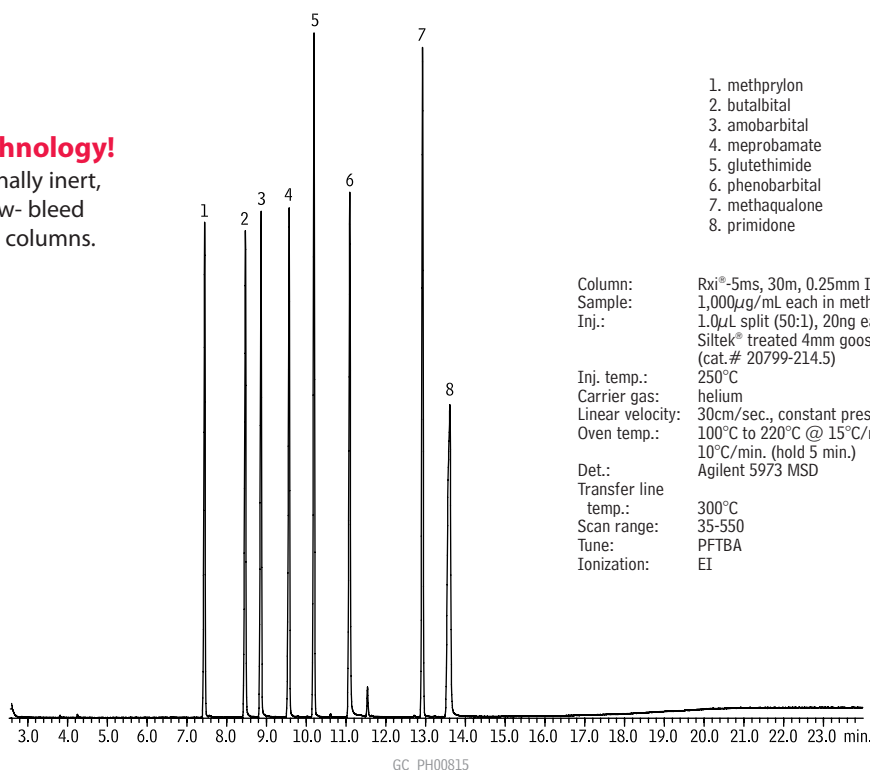


Acidic/Neutral Drugs

Rxi®-5ms

**Rxi® Technology!**

Exceptionally inert,  
ultra low- bleed  
capillary columns.



1. methprylon
2. butalbital
3. amobarbital
4. meprobamate
5. glutethimide
6. phenobarbital
7. methaqualone
8. primidone

Column: Rxi®-5ms, 30m, 0.25mm ID, 0.25µm (cat.# 13423)  
 Sample: 1,000µg/mL each in methanol  
 Inj.: 1.0µL split (50:1), 20ng each compound on column; Siltek® treated 4mm gooseneck splitless inlet liner (cat.# 20799-214.5)  
 Inj. temp.: 250°C  
 Carrier gas: helium  
 Linear velocity: 30cm/sec., constant pressure  
 Oven temp.: 100°C to 220°C @ 15°C/min., to 330°C @ 10°C/min. (hold 5 min.)  
 Det.: Agilent 5973 MSD  
 Transfer line temp.: 300°C  
 Scan range: 35-550  
 Tune: PFTBA  
 Ionization: EI