



Pharmaceuticals

Antidepressants



www.dps-instruments.com

Antidepressants drugs help reduce the extreme sadness, hopelessness, and lack of interest in life that are typical in people with depression. Most antidepressants are believed to work by slowing the removal of certain neurotransmitters, such as serotonin and norepinephrine, from the brain. Neurotransmitters are needed for normal brain function and are involved in the control of mood and in other responses and functions, such as eating, sleep, pain, and thinking. The DPS Antidepressants 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 Antidepressants GC Analyzer Systems are small and lightweight and all DPS systems are modular for expandability, upgrades, and easy service.



Available Configurations Include:

- 600-C-100 - Series 600 Antidepressants GC Analyzer (FID, 30m)
- 500-C-100 - Companion 1 Portable Antidepressants GC Analyzer (FID, 30m)



Series 600 GC

Antidepressant Drugs



Companion 1 Portable GC

Peak	Component	Area
1	Amitriptyline	386.5
2	Trimipramide	294.2
3	Imipramine	334.7
4	Nortriptyline	223.9
5	Doxepin	319.4
6	Desipramine	278.0
7	Maprotyline	218.4
8	Clomipramine	253.1

