

# Agilent 6890N with FID & Split Inj.

System Type	GC (Gas Chromatography)
Injection Mode	Split / Splitless Inlet
Injector Type	Split Injector
Split Ratio	Adjustable (e.g., 1:1 to 1:1000+)
Autosampler	Agilent 7683B Automatic Liquid Sampler
Vial Capacity	100 vials
Injection Volume	Typically 0.1 – 10 $\mu$ L
Carrier Gas	He / H <sub>2</sub> / N <sub>2</sub>
Flow Control	Electronic Pneumatic Control (EPC)
Column Type	Capillary Column (e.g., HP-5, DB-5)
Oven Temp Range	Ambient +4°C to ~450°C
Detector	Flame Ionization Detector (FID)
FID Temp Range	Up to ~450°C
Detector Gases	H <sub>2</sub> + Air (+ Makeup gas N <sub>2</sub> /He)
Sensitivity (FID)	~1 pg C/s (typical)
Data System	ChemStation



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