

Agilent 7890A with FID & NPD Detector

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| System Type | GC (Gas Chromatography) |
| Inlet Type | Split/Splitless (SSL) Inlet |
| Injection Mode | Split / Splitless |
| Autosampler | Agilent 7683B Automatic Liquid Sampler |
| Vial Capacity | Up to 100 vials |
| Injection Volume | 0.1 – 10 μ L |
| Carrier Gas | He / H ₂ / N ₂ |
| Flow Control | Electronic Pneumatic Control (EPC) |
| Column Type | Capillary Column |
| Oven Temp Range | Ambient +4°C to ~450°C |
| Detector 1 | Flame Ionization Detector (FID) |
| Detector 2 | Nitrogen Phosphorus Detector (NPD) |
| FID Gases | H ₂ + Air (+ Makeup gas) |
| NPD Gases | H ₂ + Air (with alkali bead) |
| Sensitivity | FID: pg level / NPD: highly selective for N & P |
| Data System | ChemStation / OpenLab |
| Applications | Hydrocarbons (FID), Nitrogen/Phosphorus compounds (NPD) |



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