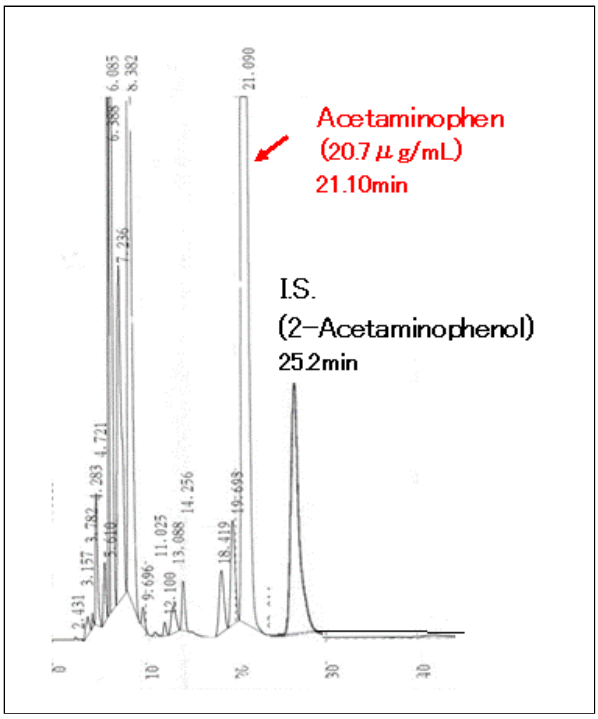
# Direct Analysis of Acetaminophen in Serum (ODP2 HP)

The HPLC analysis of drugs in biological fluids usually requires the removal of the proteins present in the sample to avoid column contamination. This is not the case with the ODP2 HP reversed phase chromatography column. A high removal rate of sample proteins can be achieved thanks to the packing surface's high polarity and small pore size. With ODP2 HP, proteins are naturally evacuated as waste product, resulting in shortened sample pre-treatment times. In this application, acetaminophen was analyzed in blood serum injected directly into the column without any pre-treatment.




Sample : Human serum, 10 μL
Acetaminophen
2-Acetaminophenol

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|---|---|
| Column | : Shodex ODP2 HP-4D (4.6mmI.D. x 150mm) |
| Eluent | : 0.1% TFA:$CH_3CN$=93:7 |
| Flow rate | : 0.5mL/min |
| Detector | : UV (254nm) |
| Column temp. | : 40°C |

Data courtesy of Katsuko Hara.MT Yutaka Komiyama.PhD,
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