

Waters

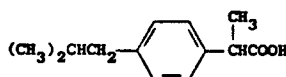
Lab Highlights

IBUPROFEN

81.600.022.001.021
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IBUPROFEN IN SERUM

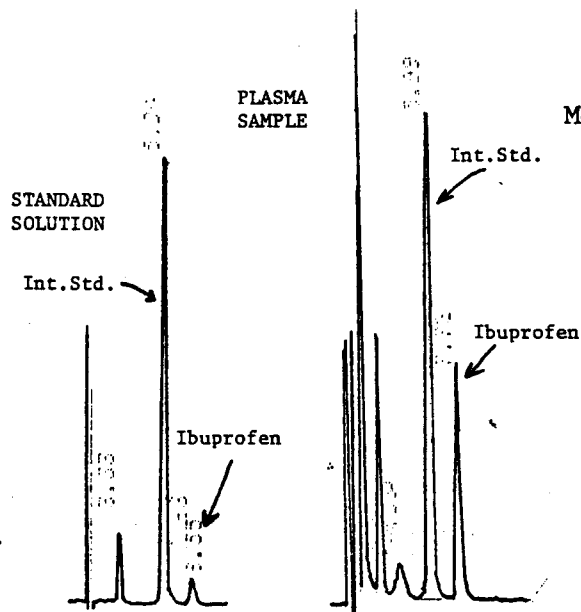
Ibuprofen, shown below, is a non-steroidal agent with anti-inflammatory, analgesic and antipyretic properties which has gained wide acceptance in the treatment of mild to moderate rheumatoid arthritis and other rheumatic conditions. This drug has found extensive use in Europe and has recently found an increased use in the United States. The major advantage of Ibuprofen, in comparison to other anti-inflammatory agents, is that there are fewer incidences of side effects when this drug is used.



Ibuprofen

Relatively few methods are available for the measurement of Ibuprofen levels in biological fluids. Consequently, a simple, rapid and sensitive HPLC method for the quantitative determination of Ibuprofen in serum has been developed.

Chromatographic conditions and sample chromatograms appear below:



Column: RADIAL-PAKTM C₁₈ 5 mm

Mobile Phase: 25 ml 0.5N acetic acid
225 ml H₂O
250 ml acetonitrile

Flow Rate: 1 ml/min

Detection: M441, 229 nm

Sample Size: 15 µl

This applications information is for INVESTIGATIONAL USE ONLY and is not intended to be considered as a complete *In Vitro* Diagnostic Procedure (s).

Chromatographic Conditions and chromatograms kindly supplied by Dr. David Greenblatt, Tufts University Medical Center.

Mike Mac Neil

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