



DETERMINATION OF GAMMA - AMINOBUTYRIC ACID BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY

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Gamma-aminobutyric acid is the main inhibitory amino acid neurotransmitter in several areas of the brain. Measurement of gamma-aminobutyric acid in the brain will help elucidate its metabolic role and diagnostic value. The liquid chromatography (LC) system consisted of a delivery pump. Male rats (150-250g) were used in this study. The brain was rapidly removed from decapitated animals. The chromatograms showed satisfactory resolution and symmetrical peak shapes, both with the standard and tissue extracts. The retention time was 4.60 min. It was constant in repeated analyses and exactly the same for the standard and tissue samples.

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