

高速液体クロマトグラフィーけい光検出
によるヒスチジンデカルボキシラーゼの
活性測定

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**Assay for Histidine Decarboxylase in Rat Stomach and
Brain by High-performance Liquid Chromatography
with Fluorescence Detection**

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ABSTRACT This present paper describes an HPLC method for the assay of HDC in biological materials. Histamine formed from the substrate histidine under the optimum conditions for the enzyme reaction is separated from unreacted histidine by ion-exchange chromatography and then determined by the HPLC method. The enzyme preparations from rat stomach and brain were employed as those with relatively high and extremely low activities of HDC, respectively, to establish the assay procedure.

抄録 基質としてL-ヒスチジンを用いたヒスチジンデカルボキシラーゼの高速液体クロマトグラフィーけい光検出による高感度測定法を開発し、ラット胃及び脳中の酵素活性を測定した。

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