162162

G00002

ABSTRACT

The present invention provide a method for measuring and assessing the capacity in an individual subject to metabolize a variety of fluorouracil drugs, such as 5-fluorouracil, which are degraded in the pyrimidine metabolic pathway, and a preparation useful for the measurement and assessment. The present invention can be carried out by: administering a preparation for determining pyrimidine metabolic capacity comprising as an active ingredient a pyrimidine compound or pyrimidine metabolic compound that acts as a substrate for a pyrimidine metabolizing enzyme, in which at least one of the carbon, oxygen, and nitrogen atoms is labeled with an isotope; and assessing in vivo pyrimidine metabolic capacity based on the behavior of an excreted metabolite.