

Uric Acid

Uric acid was performed on a Hitachi Model 737 multichannel analyzer (Roche Diagnostics, Indianapolis, IN).

Uric acid is oxidized by the specific enzyme uricase to form allantoin and H_2O_2 . The H_2O_2 reacts with 2,4,6-tribromo-3-hydroxybenzoic acid (TBHB) and 4-aminophenazone in the presence of peroxidase to form quinone-imine dye and hydrogen bromide (HBr). The intensity of the red color is proportional to the uric acid concentration.

-from *Laboratory Procedures Used for the Third National Health and Nutrition Examination Survey (NHANES III) 1988-1994*
Elaine W. Gunter, Brenda G. Lewis, and Sharon M. Koncikowski, 1996