

[54] **REDUCTION OF ASCORBIC ACID
INTERFERENCE IN ASSAYS OF AQUEOUS
FLUIDS**

[76] Inventors: **Tai-Wing Wu; Shirley S. Yau**, both of
Kodak Park Division, Rochester,
N.Y. 14650

[21] Appl. No.: **879,573**

[22] Filed: **Feb. 21, 1978**

[30] **Foreign Application Priority Data**

Jul. 11, 1977 [CA] Canada 282481

[51] Int. Cl.² **C07G 7/02; G01N 31/14**

[52] U.S. Cl. **195/63; 195/66 R;
195/99; 195/103.5 R; 195/103.5 C**

[57] **ABSTRACT**

Interference caused by ascorbic acid is eliminated by the presence of ascorbate oxidase in reagent compositions used in enzymatic assay of aqueous fluids such as blood serum for a specific analyte wherein the analyte is oxidized to peroxide and the peroxide reacts with an indicator to produce a detectable product. A preferred reagent composition contains an enzyme capable of catalyzing in the presence of oxygen the oxidation of the analyte to a peroxide, an indicator composition to produce a detectable product and ascorbate oxidase.

43 Claims, 1 Sheet Drawing,

41 Pages Specification

The file of this unexamined application may be inspected and copies thereof may be purchased (849 O.G. 1221, Apr. 9, 1968).

FIG. 1

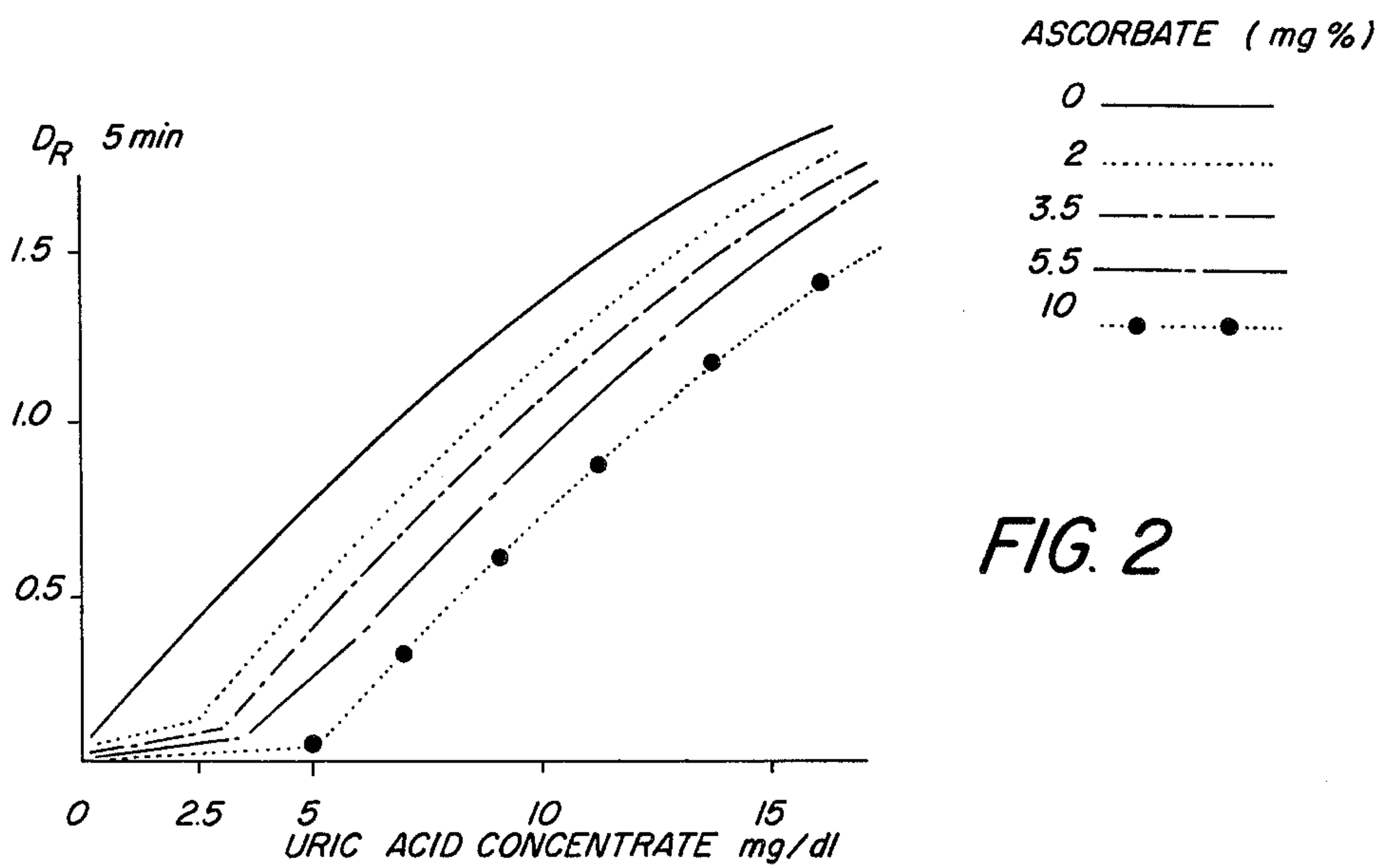
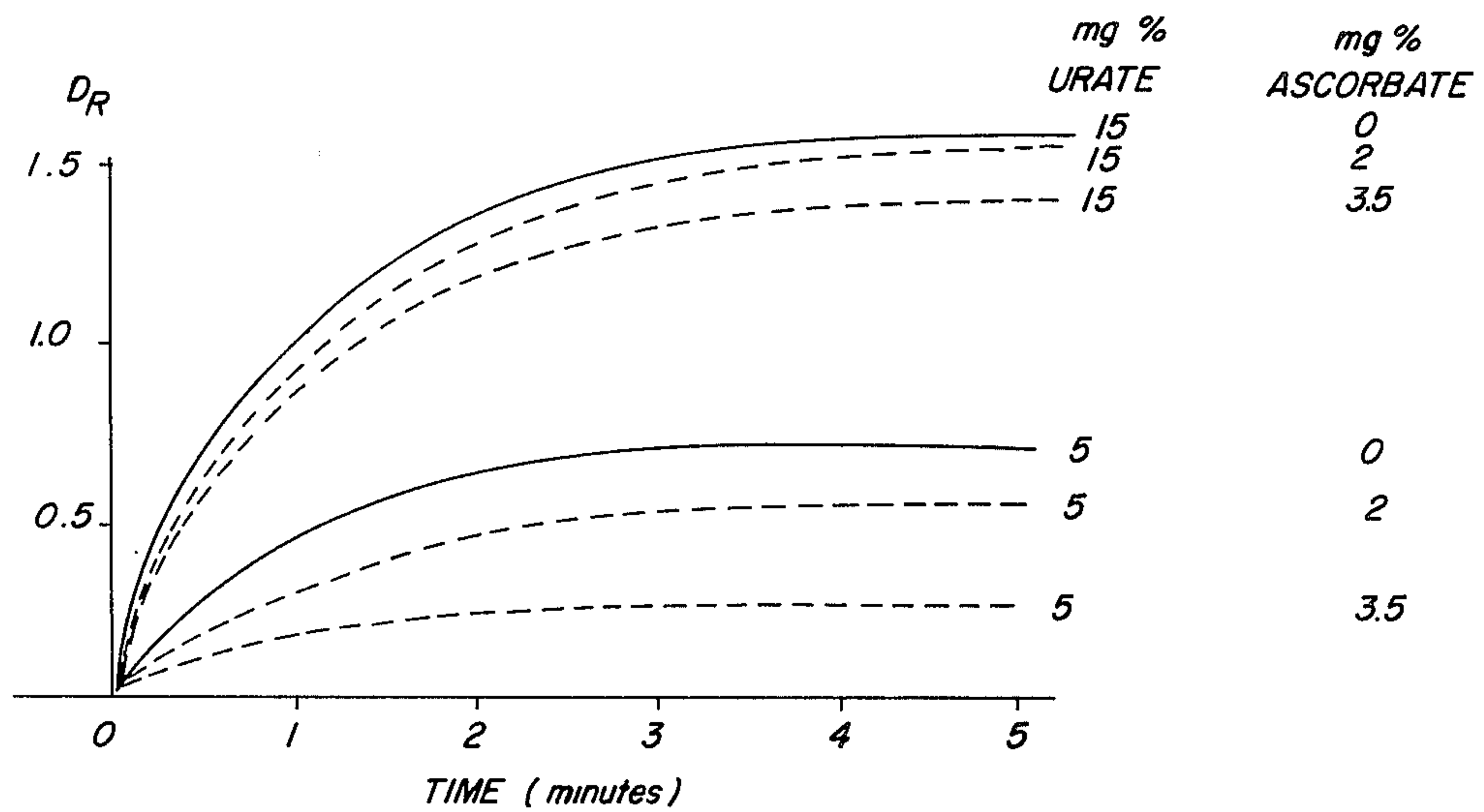


FIG. 2