

# In vitro binding between glutathione and cloxacillin by a.c. polarography

Squella, J. A.

Núñez-Vergara, L. J.

Barría, J.

Echegaray, E.

The interaction of glutathione with cloxacillin was investigated by a new a.c. polarographic procedure. The theoretical treatment used to describe the interaction is strongly consistent with the experimental results. The stability constant,  $K$ , and coordination number,  $p$ , were calculated from the a.c. polarographic data. Under physiological conditions, we obtained a  $K$  value of  $3.74 \times 10^{14}$  and a  $p$  value of 3.12 suggesting 1:3 interaction for the glutathione-cloxacillin species. The coordination number is pH-dependent with a maximum value being obtained under physiological conditions. ©

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