

Preparation of diagnostic polyvalent against non-epidemic *Vibrio cholerae* and monovalent antisera against epidemic *Vibrio cholerae* Ogawa, Inaba, and Hikojema.

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For monovalent and polyvalent antisera preparation against epidemic vibrio cholera, six isolates of non agglutinable cholera (NAGs), *Vibrio cholera nonO1*, were collected from clinical samples and from an Iraqi water surface. Chemically identified using the 20-system API and ELISA test and microscopy of the immunofluorescent microscopy of antibodies marked with fluorescent dye. These isolates gave the greatest absorption of antibodies that gave a common agglutination with the other epidemiologic types of Ogawa, Inaba or Hikogima with high specificity. The agglutination was tested on the glass slide and by the sedimentation test, which gave a titer (640) and (320) against the Ogawa and the Inaba; respectively. It also gave high sensitivity and specificity, 100% and 95%, respectively