

Title (en)

SIMPLIFIED SOLID-PHASE IMMUNOBEAD ASSAY FOR DETECTION OF CIGUATOXIN AND RELATED POLYETHERS

Publication

EP 0528895 A4 19930310 (EN)

Application

EP 91909223 A 19910419

Priority

US 51131790 A 19900420

Abstract (en)

[origin: WO9116631A1] The development of a highly-simplified solid-phase colored latex immunobead assay for the detection of ciguatoxin and related polyethers. This procedure was compared with a previously-reported stick enzyme immunoassay. Chi square analysis of two separate experiments 153 and 283 fish of various species gave X^2 values of $p < 0.001$ and < 0.005 , respectively. Agreement between the two procedures with 26 fish implicated in ciguatera poisoning was 100 %. A preliminary assessment in the field showed encouraging results. The procedure appears to be simple and applicable to field use. Furthermore, this procedure should be applicable for other antibody-antigen detections, especially low dalton determinants.

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IPC 8 full level

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