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**[Evaluation of the toxic action of prophylactic and therapeutic preparations on cell cultures of different types and origin. II. The cytotoxic action of adsorbed DPT vaccine and its components on cells of the continuous L132 line]**

[Article in Russian]

**Kravchenko AT, Sovetova GP, Chebotareva SV.**

Different batches of the same preparation manufactured at the same enterprise, or at different enterprises, in accordance with the same manufacturing regulations have been found to be capable of producing a damaging effect of different intensity on the continuous cell culture L132. The titers vary, according to their cytotoxic effect, from 1 : 32 to 1 :2048. **The components of B. pertussis antigens and thimerosal solutions have been found to produce the most pronounced cytotoxic effect on the cells.** The comparison of the results of the titration of adsorbed DPT vaccine in cell cultures with clinical manifestations has shown correlation between a greater degree of cell damage in vitro and severe local reaction. Therefore, in the process of the quality control of preparations cell cultures provide more sensitive tests than laboratory animals, which is confirmed by our data obtained in revealing the toxic properties of adsorbed DPT vaccine and its components.

PMID: 7102181 [PubMed - indexed for MEDLINE]

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