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(54) **METHOD OF QUANTITATIVE DETERMINATION OF PHTHALIC ACID IN BLOOD SERUM**

(57) Abstract:

FIELD: medicine; diagnostic techniques.

SUBSTANCE: proposed method consists in sampling of 2 cm³ serum, which contains phthalic acid; following acidation with aqueous solution of acetic acid till pH 3; the solid-state extraction at Oasis HLB sorbent is performed with the use of extractant - mixture of methyl and isopropyl alcohol in volume ratio 9:1. Then, the

resulted extract is analysed by liquid chromatography, where the mixture of acetonitrile and water in volume ratio 15:85 is used following acidation with aqueous solution of orthophosphoric acid till pH 3. The amount of phthalic acid is determined by using the calibrating plot.

EFFECT: precision of phthalic acid test in presence of benzoic acid is increased; test time is reduced.

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