



RUSSIAN AGENCY
FOR PATENTS AND TRADEMARKS

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(12) **ABSTRACT OF INVENTION**

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(54) **METHOD OF EVALUATING IODINE DEFICIENCY LEVEL IN POPULATION**

(57) Abstract:

FIELD: medico-biological investigations.
SUBSTANCE: carbonate salt solution is added
to sampled urine, mixture is evaporated and
calcined, residue is washed with water, wash
water is centrifuged to give centrifugate,
to which are successively added: potassium
thiocyanate aqueous solution with
concentration 0.6 g/cu.dm, sodium nitrate

aqueous solution (20 g/cu. dm), and aqueous
solution of iron-ammonium alum (100 g/cu.dm)
at volume ratio 1:2.5:4, respectively.
Mixture is warmed on water bath to 30 C,
optical density value is measured at
wavelength 430 nm, and iodine concentration
indicative of iodine deficiency is measured.
EFFECT: facilitated investigation. 1 tbl

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