

Title (en)

FECAL OCCULT BLOOD TEST REAGENTS AND METHODS.

Title (de)

TESTREAGENZIEEN UND VERFAHREN ZUR BESTIMMUNG VON OKKULTEM BLUT IN FÄKALIEN.

Title (fr)

REACTIFS DE TEST ET PROCEDES PERMETTANT DE DECELER LA PRESENCE DE SANG DANS LES FECES.

Publication

**EP 0267952 A4 19890627 (EN)**

Application

**EP 87903812 A 19870601**

Priority

US 86957386 A 19860602

Abstract (en)

[origin: WO8707718A1] Fecal occult blood tests of enhanced sensitivity, specificity, and readability are provided by employing a developer or complete reagent solution that uses as a solvent system a solvent comprising at least about 50 % by volume of a solvent for iron protoporphyrins. In a preferred embodiment, the solvent for iron protoporphyrins comprises a mixture of a neutralized amine and an organic co-solvent. Alternatively, the solvent may comprise pyridine, an amide, a sulfoxide or sulfone, or mixtures thereof. Test results may be improved by incorporating hemoprotein solubilizing agents, plant peroxidase inhibitors, iron/copper chelating agents, accelerators and buffers in the developer/reagent.

IPC 1-7

**G01N 21/78**; **G01N 33/72**

IPC 8 full level

**C12Q 1/28** (2006.01); **G01N 33/50** (2006.01)

CPC (source: EP)

**C12Q 1/28** (2013.01)

Citation (search report)

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- [Y] US 4578358 A 19860325 - OKSMAN NORMAN H [US], et al
- [Y] EP 0064392 A1 19821110 - SMITH KLINE INSTR [US]
- [X] EP 0021407 A1 19810107 - BEHRINGWERKE AG [DE]
- [Y] CHEMICAL ABSTRACTS, vol. 103, 1985, page 381, abstract no. 76969p, Columbus, Ohio, US; M.B. BEREZIN et al.: "Dissolution and solvation of protoporphyrin-group porphyrins in organic solvents", & IZV. VYSSH. UCHEBN. ZAVED., KHIM. KHIM. TEKHNOL. 1985, 28(3), 41-5
- [Y] CLINICAL CHEMISTRY, vol. 29, no. 12, December 1983, pages 2061-2067, Washington, US; S. SCHWARTZ et al.: "The 'HemoQuant' test: a specific and quantitative determination of heme (hemoglobin) in feces and other materials"
- See references of WO 8707718A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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