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(71) Applicant and
(72) Inventor: **TSILIVAKOS, Vassilios** [GR/GR]; 53, Louizis Riancour, GR-115 23 Athens (GR).

(74) Agent: **MALAMI, Alkisti-Irene**; 52 Skoufa St., GR-106 72 Athens (GR).

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(54) Title: DETERMINING ENDOMETRIAL STATUS BY TESTING MENSTRUATION TISSUE

Suggested method for mycoplasma and chlamydia detection, infections related to endometrium.

	Culture	PCR
Vaginal-cervical fluid	Current detection method Sensitivity of endometrium examination 30-60%	Alternative detection method Sensitivity of endometrium examination 45-60 %
Period tissue	Not used Sensitivity of endometrium examination 5 %	**Suggested method** Sensitivity of endometrium examination 100%

(57) **Abstract:** The present invention refers to the examination of the endometrium. Analysis is performed through tests that utilize endometrial menstruation tissue (period tissue) which is collected to this purpose. The tests are carried out for the study of the composition of the sub-populations of lymphocytes in order to assess whether the endometrium is appropriate for the implantation and the preservation of the fetus. These tests are also carried out for the study of the presence of microorganisms on the endometrium and also for the study of the cellular composition of the period tissue. A tube is also described for use for the collection of menstruation tissue, which tube has certain special characteristics which facilitate the tests of the period tissue.

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