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(54) Title: MONITORING MARKER

(57) Abstract: Use of a gas or gas precursor for the manufacture of a monitoring agent for a diagnostic method for monitoring fallopian tube abnormalities in a female mammal, including man, wherein said monitoring agent is diagnostically acceptable gas in the gaseous state or dissolved in a diagnostically acceptable liquid as a true solution, said gas being of such a nature, and being used in such an amount, that is detectable via the expired breath from the mammal in question. An especially preferable gas in nitrous oxide. Said use is preferably for the detection of infertility of the mammal.