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(54) **Title:** MIRNA RECEPTIVITY ANALYSIS OF THE ENDOMETRIUM

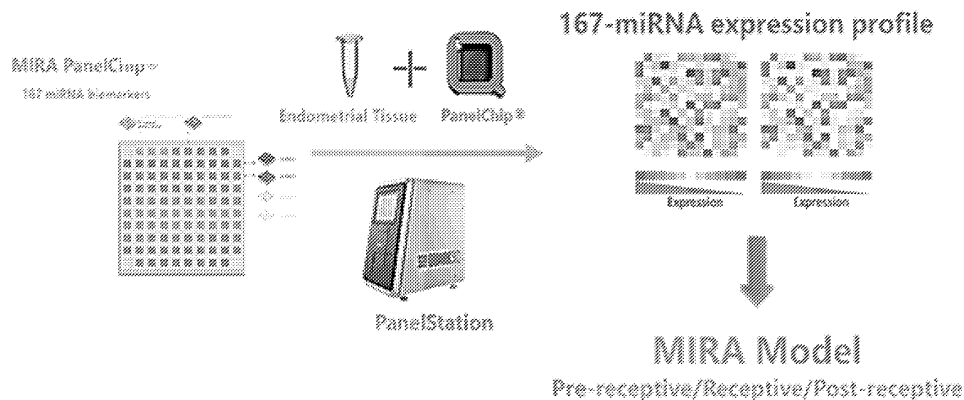


FIG. 2

(57) **Abstract:** Provided are methods for determining an endometrial status using a sample, for example, an endometrial biopsy, from a woman, comprising: (a) performing an assay on the endometrial sample from the woman to determine a microRNA (miRNA) expression profile of the endometrial sample, wherein the miRNA expression profile comprises expression levels of a plurality of miRNAs, for example, 167 miRNAs having the sequences of SEQ ID NOs: 1-167, respectively; and (b) analyzing the miRNA expression profile to obtain a receptivity predictive score using, for example, a computer-based algorithm. Further provided are kits suitable for performing the methods, as well as uses of the kits for diagnostic and therapeutic purposes.



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