

Biomarker	What type of biological molecule is this biomarker (i.e. hormone, protein, DNA)?	Did you select this biomarker for use in your project?	Please explain why you did or did not select this biomarker for use in your project.	What type of sample are you using to measure or detect your biomarker (i.e. peripheral blood, sweat)?	Why did you choose to use this sample as your source for biomarkers in your project?	Please put in the most relevant literature value you will be using for this biomarker.	Provide the DOI number for the literature value you selected.	What type of value will you be using for this biomarker (i.e. threshold, ratio, numerical value)?	Please include a sentence or two with any notes or comments you have about the use of this biomarker.
PGE2	Hormone	Yes	Literature values for PGE2 were available for our chosen sample source (menstrual effluent).	Menstrual Effluent (Blood)	Has unexplored diagnostic potential and does not require invasive surgery	55 ng/mL	10.1093/humrep/des331	Threshold	Hormones may be unstable and difficult to separate.
IGFBP-1	Protein	Yes	Literature values for IGFBP-1 were available in our chosen sample source and shown to have high specificity for endometriosis.	Menstrual Effluent (Blood)	Has unexplored diagnostic potential and does not require invasive surgery	800 ng / 100 ug protein	10.1016/j.fertnstert.2005.08.046	Threshold	Requires isolation of endometrial stromal cells from our sample source (which can take up to 72 hours) and an induction step (another 24 hours).
PRL	Hormone	Yes	Literature values for PRL were available in our chosen sample source and shown to have specificity to endometriosis.	Menstrual Effluent (Blood)	Has unexplored diagnostic potential and does not require invasive surgery	20 ng / 100 ug protein	10.1016/j.fertnstert.2005.08.046	Threshold	Hormones may be unstable and difficult to separate. Also requires isolation of endometrial stromal cells (which can take up to 72 hours) and an induction step (another 24 hours).
IL-6	Protein	Yes	This molecule has been named the "interleukin of endometriosis" and has been detected in quantifiable levels in our selected sample.	Menstrual Effluent (Blood)	Has unexplored diagnostic potential and does not require invasive surgery	8968 pg/mL	10.1016/j.fertnstert.2013.09.041	Threshold	Interleukins are very broad response molecules and may not exhibit high specificity alone.
IL-1beta	Protein	Yes	This molecule has been determined to be significantly elevated for endometriosis patients in our selected sample.	Menstrual Effluent (Blood)	Has unexplored diagnostic potential and does not require invasive surgery	366 pg/mL	10.1016/j.fertnstert.2013.09.041	Threshold	Interleukins are very broad response molecules and may not exhibit high specificity alone.
TNF-alpha	Protein	Yes	This molecule has been determined to be significantly elevated for endometriosis patients in our selected sample.	Menstrual Effluent (Blood)	Has unexplored diagnostic potential and does not require invasive surgery	203 ng/mL	10.1016/j.fertnstert.2013.09.041	Threshold	Cytokines are very broad response molecules and may not exhibit high specificity alone.
IL-8	Protein	No	This molecule has been determined to be significantly elevated for endometriosis patients in our selected sample, however there is no numerical data available.	Menstrual Effluent (Blood)	Has unexplored diagnostic potential and does not require invasive surgery	N/A	10.1016/j.fertnstert.2013.09.041	Ratio	Could not find a numerical value to set as a threshold for our diagnostic.
Uterine Natural Killer (uNK) Cells	Cell	No	Could not find a good way to obtain and test this biomarker using our selected sample.	Menstrual Effluent (Blood)	Has unexplored diagnostic potential and does not require invasive surgery	N/A	10.3389/fimmu.2017.00467	Threshold	It is difficult to specifically target uNK cells since singular unique receptors have not been identified.
CA125	Protein	No	This biomarker is not very specific to endometriosis and has not been tested in our selected sample.	Menstrual Effluent (Blood)	Has unexplored diagnostic potential and does not require invasive surgery	N/A	10.1093/humrep/1.2.173	Threshold	CA125 may add to the specificity of diagnostics in conjunction with other biomarkers, but is not specific on its own.