

ATR-FtIR Wet Blood Plasma	Raman Wet Blood Plasma	ATR-FtIR Dry Blood Plasma
MANOVA p-values: 1	MANOVA p-values: 1	MANOVA p-values: 1
Statistics:	Statistics:	Statistics:
W: [18×18 double] B: [18×18 double] T: [18×18 double] dfW: 60 dfB: 1 dfT: 61 lambda: 0.2760 chisq: 65.6542 chisqdf: 18 eigenval: [18×1 double] eigenvec: [18×18 double] canon: [62×18 double] mdist: [62×1 double] gmdist: [2×2 double] gnames: {2×1 cell}	W: [7×7 double] B: [7×7 double] T: [7×7 double] dfW: 59 dfB: 1 dfT: 60 lambda: 0.52 chisq: 35.6982 chisqdf: 7 eigenval: [7×1 double] eigenvec: [7×7 double] canon: [61×7 double] mdist: [61×1 double] gmdist: [2×2 double] gnames: {2×1 cell}	W: [7×7 double] B: [7×7 double] T: [7×7 double] dfW: 638 dfB: 1 dfT: 639 lambda: 0.5912 chisq: 333.4664 chisqdf: 7 eigenval: [7×1 double] eigenvec: [7×7 double] canon: [640×7 double] mdist: [640×1 double] gmdist: [2×2 double] gnames: {2×1 cell}

Figure S2. Statistical output of multivariate analysis of variance (MANOVA) tests applied to the pre-processed PCA-transformed spectra of PCOS and healthy individual for the ATR-FtIR and Raman blood plasma analyses. W: within-group sum of squares and cross-product matrix; B: between-group sum of squares and cross-product matrix; T: total sum of squares and cross-product matrix; dfW: degrees of freedom within groups; dfB: degrees of freedom between groups; dfT: total degrees of freedom; lambda: Wilks' lambda; chisq: chi-square statistic; chisqdf: chi-square degrees of freedom; eigenval: eigenvalues; eigenvec: eigenvectors; canon: canonical scores; mdist: mahalanobis distances; gmdist: group mahalanobis distances; gnames: group names; p-values: statistical significance. ATR-FtIR: Attenuated Total Reflection-Fourier Transform Infrared; PCA: principal component analysis; PCOS: polycystic ovary syndrome.