

Table S1 Evaluation of vaginal cleanliness

Vaginal cleanliness	<i>Lactobacillus</i>	White blood cells	Epithelial cells	Other flora
Grade I	> 30/OML	0-5/HPL	Full field	None
Grade II	6-30/OML	5-15/HPL	1/2 field	1-5/OML
Grade III	1-5/OML	15-30/HPL	Less than 1/2 field	6-30/OML
Grade IV	< 1/OML	> 30/HPL	None	> 30/OML

OML: oil immersion lens, HPL: high-power lens

Grade I-II is normal and grades III-IV is viewed as abnormal.

Table S2 Nugent score system

Score	<i>Lactobacillus</i>	Gardnerella and Bacteroides	Mobiluncus
0	> 30/OML	0	0
1	6-30/OML	< 1/OML	1-5/OML or < 1/OML
2	1-5/OML	1-5/OML	> 30/OML or 6-30/OML
3	< 1/OML	6-30/OML	
4	0	> 30/OML	

Total scores= *Lactobacillus* scores+ Gardnerella and Bacteroides scores+ Mobiluncus scores

A score of 0-3 is normal, 4-6 is intermediate, 7-10 is considered BV.

Table S3 Diagnosis of Aerobic vaginitis (AV) based on Donders' score (400x magnification)

AV score	LBG	Number of leukocytes	Proportion of toxic leukocytes	Background flora	Proportion of PBC
0	I and IIa	≤10/HPF	None or sporadic	Unremarkable or cytolysis	None or < 1%
1	IIb	> 10/HPF and ≤10/epithelial	≤50% of leukocytes	Small bacilli	≤10%
2	III	> 10/epithelial cell	> 50% of leukocytes	Cocci or chains	> 10%

LBG: Lactobacillary grades; HPF: high power field; PBC: parabasal epitheliocytes

Total scores= Lactobacillary scores+ Number of leukocytes scores+ Proportion of toxic leukocytes scores+ Proportion of PBC

A score of 1-2 is normal, and score above 3 is considered as aerobic vaginitis.