

**Table S1: Nugent's scoring system**

A.

∑ SCORE	Clue Cells	Final Report
0-3		Normal
4-6	NO	Intermediate
4-6	YES	BV
7-10		BV

B.

<i>Lactobacillus spp.</i> morphotype	<i>Gardnerella/Bacteroides</i> morphotypes	<i>Mobiluncus spp.</i> morphotype	SCORE per morphotype
>30	0	0	+0
5-30	<1	<1 or 1-4	+1
1-4	1-4	5-30 or >30	+2
<1	5-30	n.c.	+3
0	>30	n.c.	+4

The interpretation of the vaginal flora is made by considering the addition of the three-different bacterial morphotype scores and the presence of Clue Cells (A). Every morphotype, considered in the Nugent's grading score, is classified by counting the different microorganism's amount in: *Lactobacillus spp.* and *Gardnerella/Bacteroides* have a score range of 0 to 4; instead, the *Mobiluncus spp.* is classified from 0 to 2 (B). n.c.: not classified.

**Table S2: Hay/Ison criterion**

<i>Lactobacillus spp.</i> morphotype	<i>Gardnerella/Bacteroides</i> morphotypes	SCORE
Many	Few	Grade I (Normal)
Equal amount	Equal amount	Grade II (Intermediate)
Few	Many	Grade III (BV*)

\*BV: Bacterial Vaginosis.

**Table S3: Nugent's and Hay/Ison criteria results in 10 µl vaginal samples**

A.

		Nugent		
		Normal	Intermediate	BV
Hay/Ison	Grade I	82	1	0
	Grade II	8	4	0
	Grade III	0	0	5

B.

	1*	2*
Sensitivity (%)	100	90
Specificity (%)	100	91.11
Predictive value of positive results (%)	100	52.94
Predictive value of negative results (%)	100	98.79
Kappa	1.000	0.619

\*1 Statistical analysis were made by considering Grade III and Score 7-10 (Hay/Ison and Nugent criteria, respectively) as BV.

\*2 Statistical analysis were made by considering Grade II, Grade III, Score 4-6 and 7-10 (Hay/Ison and Nugent criteria, respectively) as BV.

**Table S4: Nugent's and Hay/Ison criteria results in 30 µl vaginal samples**

A.

		Nugent		
		Normal	Intermediate	BV
Hay/Ison	Grade I	83	1	0
	Grade II	9	2	1
	Grade III	0	0	4

B.

	1*	2*
Sensitivity (%)	80	87.50
Specificity (%)	100	90.21
Predictive value of positive results (%)	100	43.75
Predictive value of negative results (%)	98.95	98.80
Kappa	0.884	0.534

\*BV: Bacterial Vaginosis

\*1 Statistical analysis were made by considering Grade III and Score 7-10 (Hay/Ison and Nugent criteria, respectively) as BV.

\*2 Statistical analysis were made by considering Grade II, Grade III, Score 4-6 and 7-10 (Hay/Ison and Nugent criteria, respectively) as BV.