

HIGH ACCEPTABILITY AND ACCURACY OF SELF-COLLECTION VAGINAL VEIL COLLECTOR V-VEIL UP2™ DEVICE FOR HIGH RISK-HPV SCREENING BY MULTIPLEX REAL-TIME PCR AMONG ADULT WOMEN LIVING IN SUB-SAHARAN AFRICA

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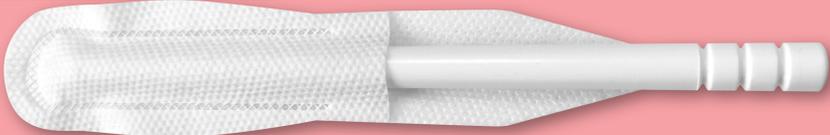
Abstract #1534

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- Cervical cancer is caused by high risk-human papillomavirus (HR-HPV). Self-collection of genital specimens and HPV DNA molecular testing are methods increasing screening rates.
- The **usability**, **satisfaction** and **accuracy** of genital self-collection method with veil (Vaginal Veil Collector V-Veil UP2, V-Veil-Up Production SRL, Romania; <https://hvp-veil.com>) were assessed in female sex workers (FSWs) in Kisangani, Republic Democratic of Congo (DRC), and community adult women in N'Djamena, Chad. HPV DNA detection used **multiplex PCR** as Anyplex™ II HPV28 test (Seegene, Seoul, South Korea) or Alinity m HR HPV (Abbott Molecular, Des Plaines, IL, USA).

28 mm



Short application duration for optimal genital sampling

- 2 to 15 minutes with 28 mm veil

Easy preanalytical processing

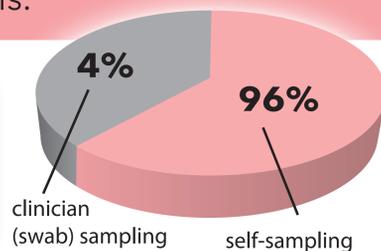
- Dry and thawed
- With universal transport medium

High usability

- > 95%: no difficulties in self-sampling
- Simple intervention of direct assistance by trained personals (physician, nurse or community staff) allows the majority of FSW to carry out correctly genital self-sampling, and to obtain further highly accurate molecular analysis.

High satisfaction

- The preference for veil (96%): much higher than that for swab (4%) among community adult women.



High usability

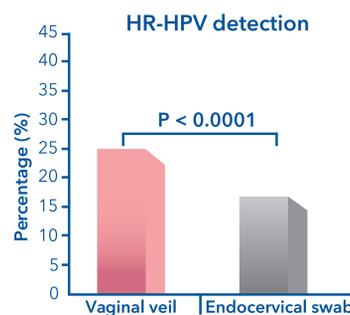
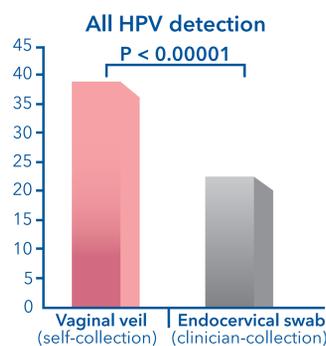
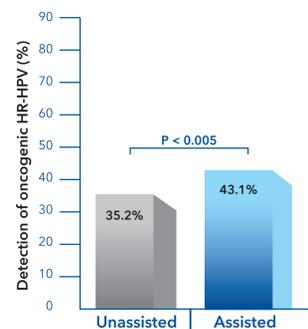
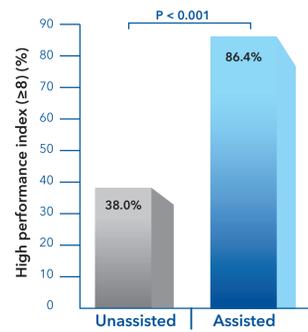
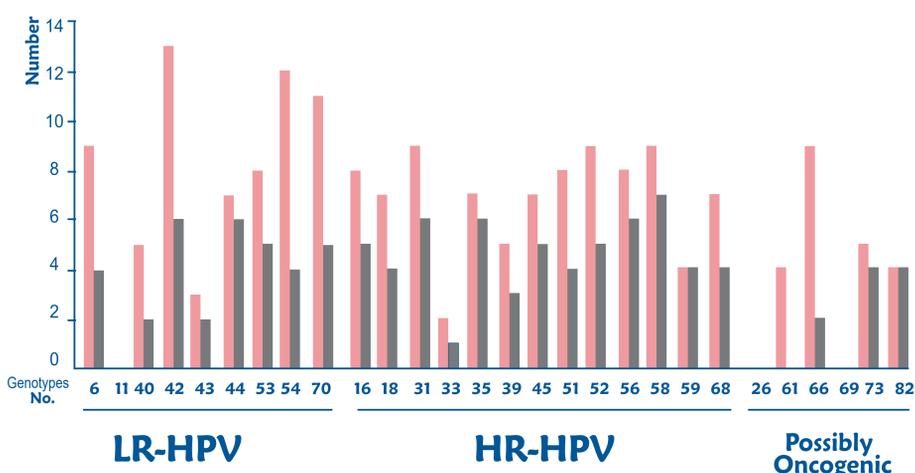
- > 95%: no difficulties in self-sampling
- Simple intervention of direct assistance by trained personals (physician, nurse or community staff) allows the majority of FSW to carry out correctly genital self-sampling, and to obtain further highly accurate molecular analysis.

14 mm

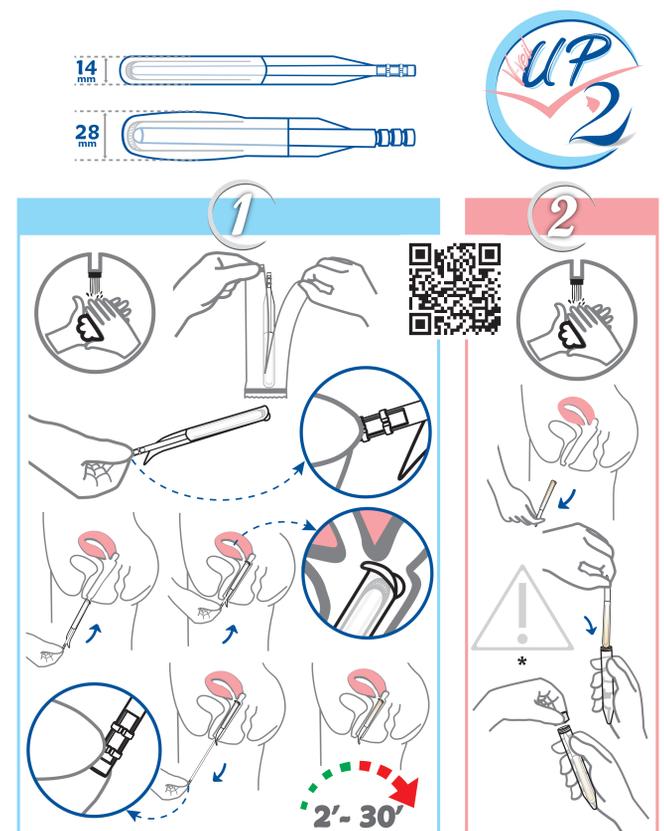


The graphic below compares the molecular detection of HPV genotypes performed from:

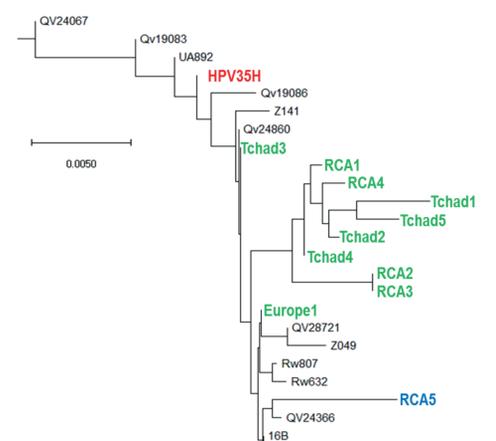
- Genital secretions self-collected by women themselves, using the Vaginal Veil Collector V-Veil Up2
- Genital secretions collected by a gynaecologist or a nurse, using a flocked swab



Instructions for use



HR-HPV35 genotyping



Conclusions

- The Veil Collector V-Veil UP2 collection device constitutes a simple, highly acceptable and powerful tool for self-collection of female genital secretions for further molecular testing, screening, genotyping and sequencing of an HPV genotypes including oncogenic HR-HPV.
- The device could be easily implemented in national programs for cervical cancer prevention (prophylactic vaccine and molecular diagnosis), care and research.

