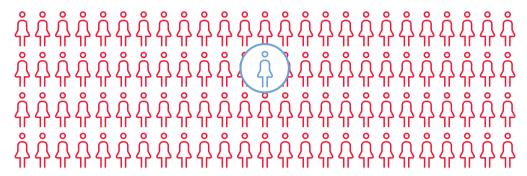




HPV and Cervical cancer

Worldwide, HPV is one of the most common STIs



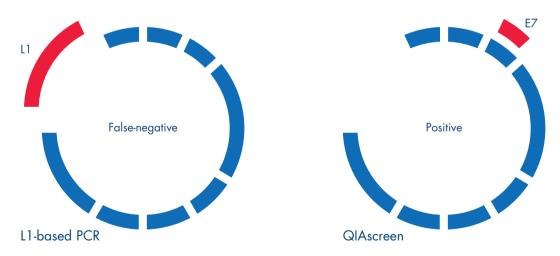
Persistent infection with high-risk HPV types is linked to virtually all cases of cervical cancer. (1)

The World Health Organization estimated 528,000 new cases and 266,000 deaths per year (2)

The viral genome contains early (E) and late (L) genes.

The L1 gene can be deleted in cervical cancers and lead to false negatives in L1-specific PCR tests (3). The QIAscreen test circumvents this by detecting the conserved E7 gene (4).

Figure 1: L1 deletion event seen in cancer



Risk of false-negatives associated with L1 deletions can be prevented with an HPV DNA test that targets conserved regions of the genome.

Sexually Transmitted Infections

Every day >1 million sexually transmitted infections (STIs) are acquired (5).

STIs can have serious reproductive health consequences beyond the immediate impact of the infection itself.



Detecting a menu of STIs provides timely and accurate diagnoses for patients.



The QIAscreen HPV PCR Test

The QIAscreen HPV PCR Test is an in vitro real-time PCR-based assay for the qualitative detection of human papillomavirus (HPV) DNA of the following 15 likely (6) high-risk HPV genotypes, i.e., 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 67, and 68. The assay is intended to be used for the screening of women for the risk of cervical (pre) cancer.

Validated sample types include:

- Cervical specimens collected in PreservCyt, Surepath and Pathtezt collection medium
- Self-collected vaginal brush specimens
- Self-collected cervico-vaginal lavage specimens

Flexible workflow



Validated for many sample types



Options for self sampling

Menu on RGQ instrument



Test with CTNG and Trich assays

Unique HPV targeting



Targets the viral E7 oncogene of 15 HPV types

Meets international guidelines (4)



- 97.1% sensitivity
- 94.3% specificity
- 99.5% intra-lab reproducibility
- 99.2% inter-lab agreement



Rotor-Gene® Q Workflow

QlAscreen can bolster your Rotor-Gene Q workflow, providing a menu of applications on one instrument. Detecting a menu of STIs provides timely and accurate diagnoses for patients.

QIAscreen rounds out QIAGEN's family of PCR-based women's health tests on the Rotor-Gene Q instrument, which include tests for *C. trachomatis*, *N. gonorrhoeae*, and *T. vaginalis*. Labs can conduct a panel of women's health tests in a more streamlined and resourceful manner to provide comprehensive insights for clinicians and patients.

QlAscreen is validated by the Meijer criteria (4)

	Reference assay GP5+/6+ PCR	QIAscreen*	Meets Meijer guidelines
Sensitivity CIN2+	97.1% (67/69)	97.1% (67/69)	Yes
Specificity CIN2+	93.7% (772/824)	94.3% (777/824)	Yes
Intra-lab reproducibility	-	99.5% (544/547)	Yes
Inter-lab agreement	-	99.2% (527/531)	Yes

^{*}Performance characteristics are indicated for the HPV-Risk assay, now available as QIAscreen.

Performance comparison of QIAscreen and HC2® tests (7)

For women \geq 30 years old:

	CIN3+		CIN2+	
Test	Sensitivity	Specificity	Sensitivity	Specificity
QlAscreen	97.0%	91.8%	92.9%	94.2%
	(95% CI: 89.5 - 99.6%)	(95% CI: 89.9 - 93.4%)	(95% CI: 85.8 - 97.1%)	(95% CI: 92.6 - 95.6%)
HC2	97.0%	89.8%	95.9%	92.5%
	(95% CI: 89.5 - 99.6%)	(95% Cl: 87.8 - 91.6%)	(95% CI: 89.9 - 98.9%)	(95% CI: 90.7 - 94.1%)

The QIAscreen test performs comparably with the HC2 test.

QlAscreen joins QlAGEN's comprehensive cervical cancer screening portfolio.



Ordering Information

Product	Contents	Cat. No.
QIAscreen HPV PCR Test	For 72 reactions, includes: Master Mix, Positive Control, Negative Control, Instructions for Use	617005
Rotor-Gene Q MDx		
Rotor-Gene Q MDx HRM System	Real-time PCR cycler and High Resolution Melt analyzer with 5 channels (green, yellow, orange, red, crimson) plus HRM channel, laptop computer, software, accessories: includes 1-year warranty on parts and labor, installation and training Real-time PCR cycler and High Resolution Melt analyzer with 5 channels (green, yellow, orange, red, crimson) plus HRM channel, laptop computer, software, accessories: includes 1-year warranty on parts and labor, installation and training not included	9002035
Rotor-Gene Q MDx Accessories		
Loading Block 72 x 0.1 ml Tubes	Aluminum block for manual reaction set up with a single-channel pipet in 72×0.1 ml tubes	9018901
Strip Tubes and Caps, 0.1 ml (250)	250 strips of 4 tubes and caps for 1000 reactions	981103
Strip Tubes and Caps, 0.1 ml (2500)	10×250 strips of 4 tubes and caps for 10,000 reactions	981106

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at www.qiagen.com or can be requested from QIAGEN Technical Services or your local distributor.

Self-screen B.V. is the legal manufacturer of the QIAscreen HPV PCR Test.

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