



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup> : <b>C12Q 1/70 // C07K 14/025</b>		<b>A3</b>	(11) International Publication Number: <b>WO 99/29890</b>
			(43) International Publication Date: 17 June 1999 (17.06.99)
(21) International Application Number: PCT/US98/26447 (22) International Filing Date: 11 December 1998 (11.12.98)  (30) Priority Data: 60/069,426      12 December 1997 (12.12.97)      US 60/070,486      5 January 1998 (05.01.98)      US 60/082,167      17 April 1998 (17.04.98)      US  (63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Applications US      60/069,426 (CIP) Filed on      12 December 1997 (12.12.97) US      60/070,486 (CIP) Filed on      5 January 1998 (05.01.98) US      60/082,167 (CIP) Filed on      17 April 1998 (17.04.98)  (71) Applicant (for all designated States except US): DIGENE CORPORATION [US/US]; Suite 207, 9000 Virginia Manor Road, Beltsville, MD 20705 (US).		(72) Inventor; and (75) Inventor/Applicant (for US only): LORINCZ, Attila, T. [IE/US]; 6 Chinaberry Court, North Potomac, MD 20878 (US).  (74) Agents: MOROZ, Eugene et al.; Morgan & Finnegan, L.L.P., 345 Park Avenue, New York, NY 10154 (US).  (81) Designated States: AU, BR, CA, JP, NO, SG, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> <i>With international search report.</i>  (88) Date of publication of the international search report: 10 September 1999 (10.09.99)	
(54) Title: ASSESSMENT OF HUMAN PAPILLOMA VIRUS-RELATED DISEASE  (57) Abstract  This invention provides novel methods for assessing HPV infection. Gene expression levels are used to the progression of HPV infection from benign to malignant growth by determining the ratio between mRNA levels of E6 and/or E7 and E2 and/or L1. Also provided are kits for carrying out the methods of this invention.			

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 98/26447

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
<b>IPC6: C12Q 1/70 // C07K 14/025</b> According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols)		
<b>IPC6: C12Q</b>		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5543294 A (SAUL J. SILVERSTEIN ET AL), 6 August 1996 (06.08.96), Example III especially column 25, lines 14-17 --	1-7
A	WO 9108312 A1 (GENE-TRAK SYSTEMS), 13 June 1991 (13.06.91), page 2, line 19 - line 22 -- -----	1-7
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
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Date of the actual completion of the international search		Date of mailing of the international search report
12 May 1999		08.07.99
Name and mailing address of the international Searching Authority European Patent Office P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel(+31-70)340-2040, Tx 31 651 epo nl. Fax(+31-70)340-3016		Authorized officer PATRICK ANDERSSON

# INTERNATIONAL SEARCH REPORT

Information on patent family members

S 218997

07/04/99

International application No.

PCT/US 98/26447

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