

पेटेंट कार्यालय  
शासकीय जर्नल

**OFFICIAL JOURNAL  
OF  
THE PATENT OFFICE**

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निर्गमन सं. 06/2022  
ISSUE NO. 06/2022

शुक्रवार  
**FRIDAY**

दिनांक: 11/02/2022  
DATE: 11/02/2022

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पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241006292 A

(19) INDIA

(22) Date of filing of Application :06/02/2022

(43) Publication Date : 11/02/2022

(54) Title of the invention : A kit and a method for predicting oral cancer

(51) International classification :A61B0010020000, C12Q0001688600, G01N0033574000, A61B0010000000, G02B0021340000  
(86) International Application No Filing Date :PCT// :01/01/1900  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number Filing Date :NA :NA  
(62) Divisional to Application Number Filing Date :NA :NA

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(57) Abstract :

Oral cancer is a global problem which is increasing the national and international burden. Its early prediction is always a challenge. Existing kits and the methods thereof for collecting and assessing the cell samples suffer with various limitations including but not limiting to cost, failure to collect sample from critical areas of oral cavity, insufficient sample quantity, and multiple sampling for analysis. To overcome these limitations, the present disclosure provides a kit for sample collection and assessment. Particularly, the kit comprises of a uniquely designed and UV sterilized brush (two in number) with an elongated handle shaft member to facilitate comfortable holding of the brush for sampling. Secondly, the kit comprises of two UV sterilized glass slides with coverslip. Besides, it also comprises of solutions to protect the samples collected for further analysis. The kit is economical and efficient in collecting adequate amount of sample for both cytological and molecular profiling.

No. of Pages : 27 No. of Claims : 10