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(54) Title of the invention : A NOVEL PH METER FOR NEONANTS

<p>(51) International classification :A61B0001273000, B60T0017220000, A61B0005000000, G01N0017020000, G01R0001220000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p><b>1)Dr. Mohd Ashaq</b> Address of Applicant :Senior Assistant Professor, Department of Botany, Govt. PG. College, Rajouri, Jammu &amp; Kashmir, Pin Code: 185133 -----</p> <p><b>2)Dr. Narinder Kumar</b></p> <p><b>3)Ms. Akanksha R. Singh</b></p> <p><b>4)Mohammad Yusuf</b></p> <p><b>5)Dr. Deepak Sonker</b></p> <p><b>6)Dr. Sushma Devi</b></p> <p><b>7)Davinder Kumar</b></p> <p><b>8)Virender Kumar</b></p> <p><b>9)Pardeep singh</b></p> <p><b>10)Priyanka Malhotra</b></p> <p><b>11)Prof.Ramesh Chandra Panda</b></p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p><b>1)Dr. Mohd Ashaq</b> Address of Applicant :Senior Assistant Professor, Department of Botany, Govt. PG. College, Rajouri, Jammu &amp; Kashmir, Pin Code: 185133 -----</p> <p><b>2)Dr. Narinder Kumar</b> Address of Applicant :Associate professor, Department of Zoology, GGM Science College, Cluster University of Jammu, Jammu &amp; Kashmir, Pin Code: 180001. -----</p> <p><b>3)Ms. Akanksha R. Singh</b> Address of Applicant :Assistant professor in Pharmacy, Principal K. M. Kundnani college of pharmacy, Rambhau Salgaonkar Road, Cuffe Parade, Mumbai, Maharashtra, Pin Code: 400005 -----</p> <p><b>4)Mohammad Yusuf</b> Address of Applicant :Research Associate, Universiti Teknologi Petronas, Bandar Seri Iskandar, 32610, Perak, Malaysia, Pin Code: 32610 -----</p> <p><b>5)Dr. Deepak Sonker</b> Address of Applicant :Associate Professor, Tecnia Institute of Advanced Studies, 3 PSP, , Institutional Area Madhuban Chowk, Bhagwan Mahavir Marg, Sector 14, Rohini, New Delhi, Pin Code: 110085. -----</p> <p><b>6)Dr. Sushma Devi</b> Address of Applicant :Vice Principal, Guru Nanak Institutions, Hema Majra Road, Mullana, Haryana, Pin Code: 133203 -----</p> <p><b>7)Davinder Kumar</b> Address of Applicant :Assistant Professor, Swami Dayanand Post Graduate Institute of Pharmaceutical Sciences, University of Health Sciences, Rohtak, Haryana, Pin Code: 124001 -----</p> <p><b>8)Virender Kumar</b> Address of Applicant :Assistant Professor, Swami Dayanand Post Graduate Institute of Pharmaceutical Sciences, University of Health Sciences Rohtak, Haryana, Pin Code: 124001 -----</p> <p><b>9)Pardeep singh</b> Address of Applicant :Assistant professor, Guru Nanak Institute of Technology, Mullana, Haryana, Pin Code: 133203 -----</p> <p><b>10)Priyanka Malhotra</b> Address of Applicant :Associate professor, Guru Nanak Institute of Technology, Mullana, Haryana, Pin Code: 133203 -----</p> <p><b>11)Prof.Ramesh Chandra Panda</b> Address of Applicant :Chief Scientist, Wegrow Private Limited, Bhubaneswar, Odisha, Pin Code: 751001 -----</p>
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(57) Abstract :

The present invention relates to the develop a novel pH meter for the neonants. The current innovation is helpful to test used to evaluate gastroesophageal reflux disease and determine the effectiveness of medications that prevent acid reflux. Although the Bravo pH test is safe and only available by prescription, there are a few potential complications, such as Premature detachment of the pH capsule. Failure of pH capsule to detach within several days after placement. 24- hours pH monitoring is commonly used in children to diagnose gastroesophageal reflux disease, and abnormal reflux is considered with detection of increased esophageal acid exposure. So, to address all those issues we developed a novel PH meter comprised of pH sensor , pH electrode probe ,arudino A00005, 0.5V 5A DC Power Supply Adapter, LCD 162, and an alphanumeric display with a green backlight.

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