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INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

**(PROF. (DR) UNNAT P. PANDIT)
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(71)**Name of Applicant :**
1)Swami Rama Himalayan University
 Address of Applicant :Swami Rama Himalayan University, Swami Ram Nagar, Jolly Grant, Dehradun, Uttarakhand, 248016, India Dehradun -----
Name of Applicant : NA
Address of Applicant : NA

(72)**Name of Inventor :**
1)Mansi Kala
 Address of Applicant :B 9/4 HIHT Medical Campus SRHU Dehradun, Uttarakhand 248016, India Dehradun -----
2)Manish Raturi
 Address of Applicant :HIHT Medical Campus SRHU Dehradun, Uttarakhand 248016, India Dehradun -----
3)Avriti Baveja
 Address of Applicant :HIHT Medical Campus SRHU Dehradun, Uttarakhand 248016, India Dehradun -----
4)Monika Singh
 Address of Applicant :HIHT Medical Campus SRHU Dehradun, Uttarakhand 248016, India Dehradun -----
5)Smita Chandra
 Address of Applicant :HIHT Medical Campus SRHU Dehradun, Uttarakhand 248016, India Dehradun -----
6)Bhawana Adhikari
 Address of Applicant :Medical Campus AIIMS RISHIKESH Dehradun Uttarakhand 248016, India Dehradun -----

(57) Abstract :
 The present invention provides a system to control pre-analytical variables in platelet count estimation in hematology laboratories. The system reduces pre-analytical errors in platelet count estimation by establishing standardized protocols for each step of sample collection, handling, and processing, ensuring that platelet samples are consistently managed across the laboratory. The algorithm addresses this by mandating specific guidelines for sample collection to prevent under-filling or overfilling of tubes, thorough mixing to prevent platelet aggregation, and timely processing of samples to maintain platelet integrity. Proper labeling and tracking are also emphasized, reducing the risk of sample misidentification or mishandling. Furthermore, the algorithm monitors conditions during sample transport and storage, ensuring that temperature and handling standards are met to avoid platelet degradation during transit.

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