

Materials List for

Evaluation of a Point-of-Care Testing Analyzer for Measuring Peripheral Blood Leukocytes

Huiqing Zhu^{*1}, Zhifeng Huang^{*1}, Huimin Huang¹, Caiyou Wang², Liting Wu¹, Runpei Lin¹, Baoqing Sun¹

¹National Center for Respiratory Medicine, National Clinical Research Center for Respiratory Disease, State Key Laboratory of Respiratory Disease, Guangzhou Institute of Respiratory Health, First Affiliated Hospital of Guangzhou Medical University ²Laboratory Department, Fifth affiliated (Zhuhai) Hospital of Zunyi Medical University

* These authors contributed equally

Corresponding Author

Baoqing Sun
sunbaoqing@vip.163.com

Citation

Zhu, H., Huang, Z., Huang, H., Wang, C., Wu, L., Lin, R., Sun, B. Evaluation of a Point-of-Care Testing Analyzer for Measuring Peripheral Blood Leukocytes. *J. Vis. Exp.* (181), e63364, doi:10.3791/63364 (2022).

Date Published

March 22, 2022

DOI

10.3791/63364

URL

jove.com/video/63364

Materials

Name	Company	Catalog Number	Comments
Blood cell detection module	Chuanghuai Medical Technology Co., Ltd.(Shenzhen, China)		consumables for evaluated system
Blood lancet	Chuanghuai Medical Technology Co., Ltd.(Shenzhen, China)		consumables for evaluated system
Hemolytic reagent	Chuanghuai Medical Technology Co., Ltd.(Shenzhen, China)		consumables for evaluated system
IBM SPSS Statistics 25	International Business Machines Corp., Armonk, NY		Software for data analysis
MedCalc 11.4.2.0	2021 MedCalc Software Ltd		Software for data analysis
Microsoft Excel 2019	Microsoft		Software for data analysis
Point-of-care testing (POCT) card-based leukocyte analyzer	Chuanghuai Medical Technology Co., Ltd.(Shenzhen, China)	CX-2000	Evaluated system
Quantitative pipette with capillary tube inside	Chuanghuai Medical Technology Co., Ltd.(Shenzhen, China)		consumables for evaluated system
Siemens fully automatic hematology analyzer and its related reagents and consumables	Siemens Healthcare Diagnostics Inc.	ADVIA 2120i	Reference system 2
UniCel DxH 800 Coulter Cellular Analysis System and its related reagents and consumables	Beckman Coulter, Inc.	DxH 800	Reference system 1