

PLATELET CLUMPER TEST
Epic Test Code: LAB1231101

EXPLANATION: The hematology lab at Ruby Memorial is launching a new Epic orderable for testing that previously required a paper requisition. The Platelet Clumper test is useful for troubleshooting spuriously low platelet counts due to in vitro or collection-related activation/clumping (see Flowchart below, also available in [lab manual](#)).

METHOD: Sysmex XN 10

REFERENCE VALUES:

Female			Male		
Age	PLT (10 ³ /uL)	MPV fL	Age	PLT (10 ³ /uL)	MPV fL
>18Y	150-400	8.7-12.5	>18Y	150-400	8.7-12.5
12Y-18Y	194-345	9.6-11.7	12Y-18Y	175-332	9.6-11.8
6Y-12Y	199-367	9.3-11.3	6Y-12Y	206-369	9.2-11.4
2Y-6Y	189-394	8.9-11.0	2Y-6Y	202-403	9.0-10.9
181D-2Y	214-459	8.8-10.6	181D-2Y	206-445	8.7-10.5
61D-180D	247-580	9.0-10.9	61D-180D	244-529	8.9-10.6
31D-60D	331-597	9.4-11.1	31D-60D	229-562	9.2-10.8
15D-30D	279-571	10.0-12.2	15D-30D	248-586	10.1-12.1
0D-14D	144-449	10.4-12.0	0D-14D	218-419	10.2-11.9

SPECIMEN REQUIREMENTS: One 3mL lavender top tube AND one 3 mL blue top tube. Cannot be combined with other testing and no add on testing available.

SPECIMEN STABILITY INFORMATION: Stable for 24 hours ambient.

CPT CODE: 85049

DAYS(S) TEST SET UP: Sunday-Saturday

QUESTIONS ABOUT THIS TESTING

Sharon Hall, Technical Specialist Hematology
halls@wvumedicine.org
304-598-4230

Dr. David Howell, Medical Director- Hematology Lab
dhowell@hsc.wvu.edu
304-293-1628

ADDITIONAL INFORMATION IS AVAILABLE ONLINE
[WVU Medicine Online Test Catalog](#)

Platelet Clumping Flowchart

Platelets clumped on slide-
Count not reported



Review collection technique. Re-order and **re-collect using Straight stick.** - DO NOT use a Butterfly Collection. Butterfly collection can activate platelets and cause clumping.



Platelet clumps still present
after straight stick collection



Order "Platelet Clumper" test
[LAB1231101]. Collect a blue and
lavender top tube using a straight stick.



If platelet clumps still present,
contact pathology for review