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| **Suspect,****PLT Clumps** | **Outcome** | **Recovery** |
| Asterisks (\*) may appear next to the following parameters:PLTMPVIPF | 1. Check sample for clots.
2. Run sample in PLT-F channel. If no asterisks or error message occurs, PLT-F results can be reported. Refer to procedure \*\*\*\* PLT-F Channel Reflex.
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| If (\*) or IP Message occurs with sample run in PLT-F channelNOTE: An instrument report will only print automatically if there is an IP message. An (\*) will translate as a ‘ W ‘ in the flag column in instrument menu. | 1. Make peripheral smear.
2. Check feathered edge and sides of smear for platelet clumps and fibrin strands.
3. Perform manual platelet and WBC estimates to confirm analyzer count. Refer to procedure \*\*\*\* Peripheral Smear Review.
4. If MPV value has a ( \* ) on repeat. It usually indications that there are multiple sizes of platelets present. Check histogram for multiple peaks. Perform morphology.
5. Scan slide for the presence of:
* Large or giant platelets ( most likely )
* Small platelets
* Platelet clumps
* Fragmented RBC’s
* Microcytic RBC’s
* Parasites
* Other abnormalities
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| No abnormalities found | 1. If estimates confirm accuracy of analyzer count.

 Results with (\*) can be reported. |
| PLT clumping not resolved | 1. Do not report numeric platelet value.
2. In Instrument Menu: [POST ALL].
3. When posting verification dialog box appears, select [NO].
4. In Resulting Menu, highlight ‘platelet count’ result line.
5. Select [@CLPD] from the keypad box in the corner of the screen. This will cancel out the platelet value and include the following canned comment, *‘Platelet clumping present. Unable to provide count. Recommend recollection in sodium citrate in addition to EDTA tube.’*
6. If possible, report a qualitative platelet estimate in the ‘Platelet Slide Review’ (Increased, Appears Normal, or Decreased) line beneath the platelet count.
7. Record [PERFORMED] in the ‘Smear Review’ line.
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| Follow-up with recollection of EDTA and Na Citrate tubes.  | 1. Rerun EDTA sample. If repeat run has no flags report these results. If not, proceed to next step.
2. Order CPLT in order entry. Two labels will be produced. One for LAV and one for BLUE.
3. If platelet clumps are present and EDTA induced clumping has occurred continue to next outcome step.
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| PLT clumping not resolvedEDTA Induced clumping has occurred. | 1. Do not report numeric platelet value.
2. In Instrument Menu: [POST ALL].
3. When posting verification dialog box appears, select [NO].
4. In Resulting Menu, highlight ‘platelet count’ parameter line.
5. Select [@CPLT] from the keypad box in the corner of the screen. This will cancel out the platelet value and include the following canned comment *‘EDTA induced platelet clumping. Unable to provide count. Sample sent to referral lab.’*
6. If possible, report a qualitative platelet estimate in the ‘Platelet Slide Review’ (Increased, Appears Normal, or Decreased) line beneath the platelet count.
7. Record [PERFORMED] in the ‘Smear Review’ line’.
8. Send both EDTA and NaCitrate tubes to Dynalife for processing.
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| If ( - - ) are in place of numeric values. | 1. Check sample for clots.
2. Repeat sample.
3. Perform smear review.
4. Report any abnormalities.
5. (- - ) values are unreportable.
6. If MPV value is (----) verify and LIS will automatically cancel out. This will sometimes occur if there is a very low count or if there are two distinct populations. Check histogram.
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