

MC-80 wrong working area

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Case Background

Where:

Analyzer	Workflow
CAL8000 (211). New installed model	2000+ samples per day, 10 % smears per day

What:

Smear's pictures was made at **wrong working area**

How much:

30% of smears.

For laboratory with this workflow it's large amount of wrong smears.

Voice of customer:

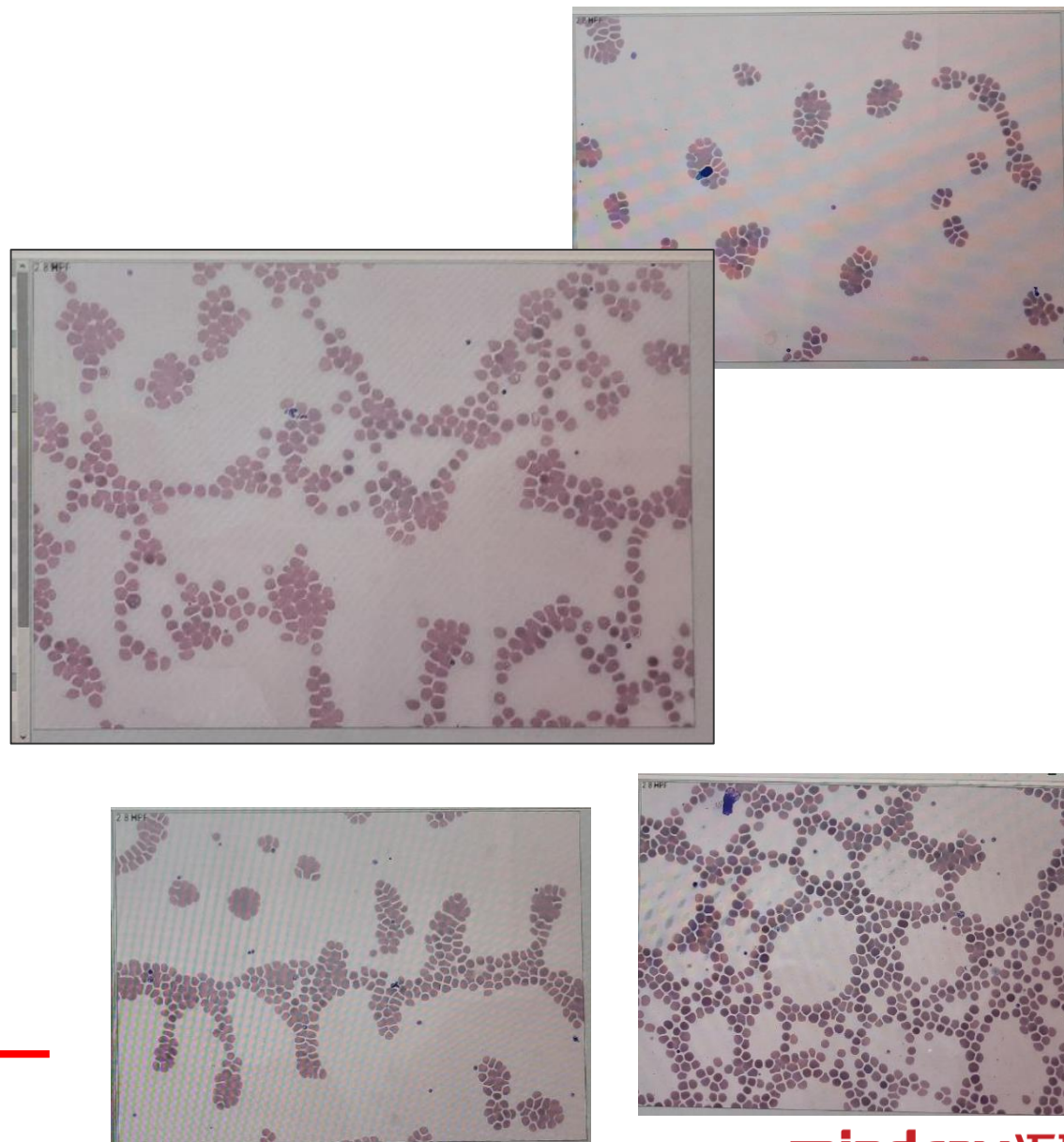
It slow down the workflow of the laboratory and delays the
issuance of results to patient

Background

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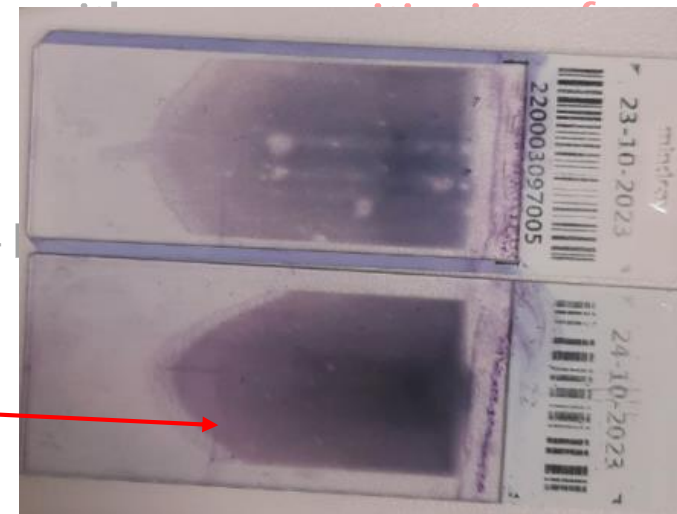
1) Define possible reasons.
Problem was at SC-120 or MC-80?



Possible reasons at SC-120 could be related with
incorrect quality of smears:

- smears too short. It leads to wrong working area positioning, the **tail is thin** and cells are sparse and clustered;
- tail of smears **shifted to the left**.

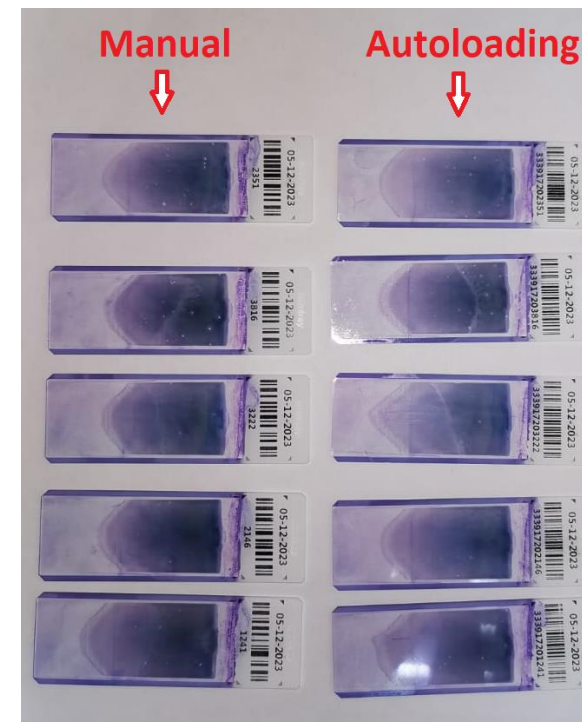
Possible reasons at MC-80 could be related
tail of smears shifted to the left; working area:



adjusted;
on needed

2) Analysis

- Was found the **same problem** was at another lab in our region. I contacted with engineer who solved this case to consultation;
- Our reason **wasn't related with SC-120** because all smears was normal and same at manual and autoloading mode



The **shortest** smear was 35 mm



Normal working area



Case Solution

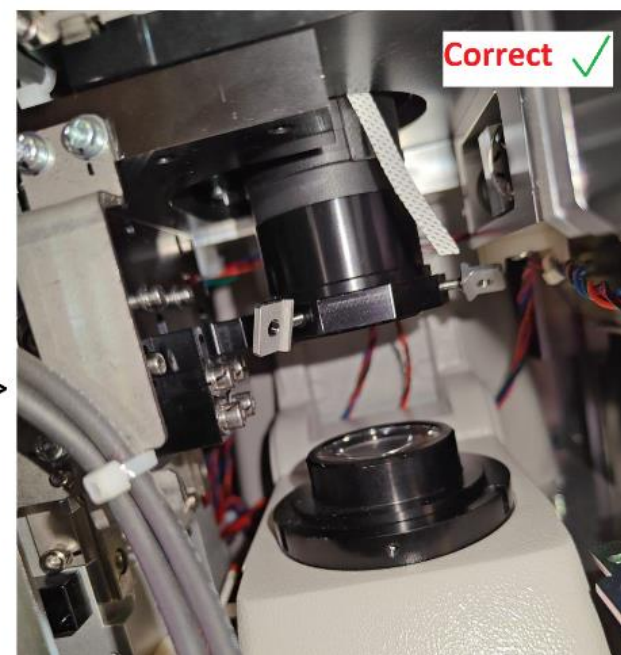
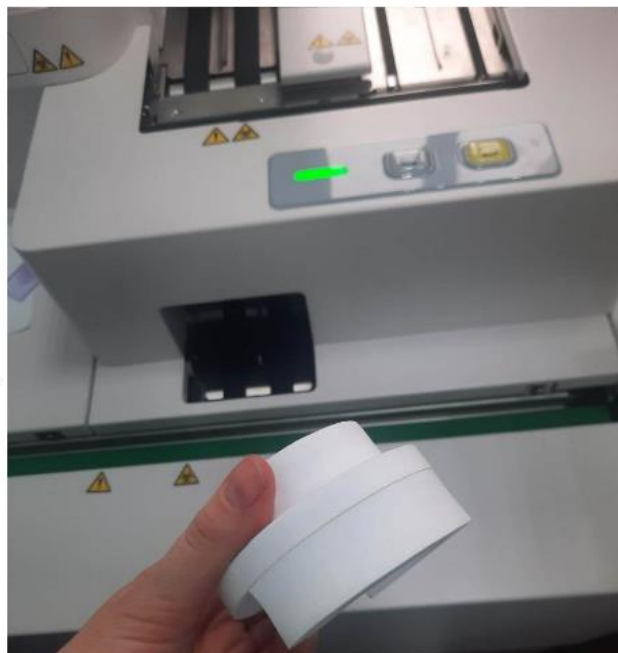
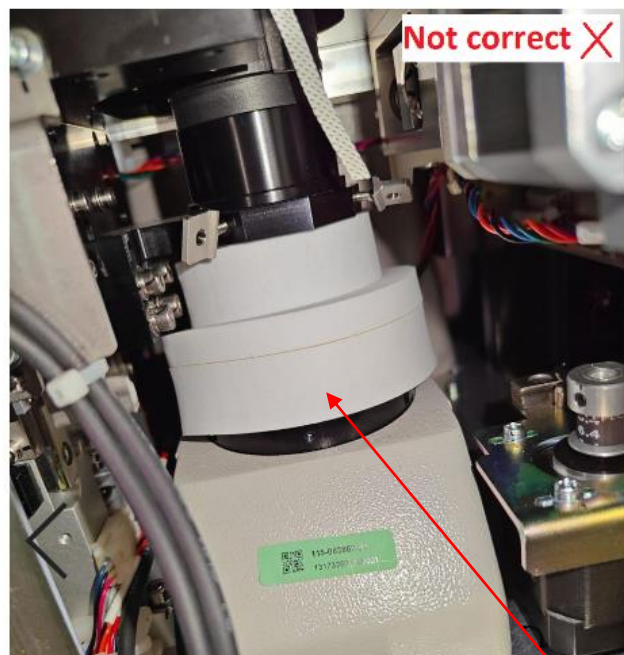
Background

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Summary

1. Was found that **damper** from the light source module **wasn't removed at installation**. There wasn't enough light because of this damper. We removed it.



Damper

2. **Scan start position wasn't adjusted correctly.** After communications with engineers was found for correct scan start position adjustment they need special tool - calibration slide but it not included in the set.

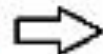
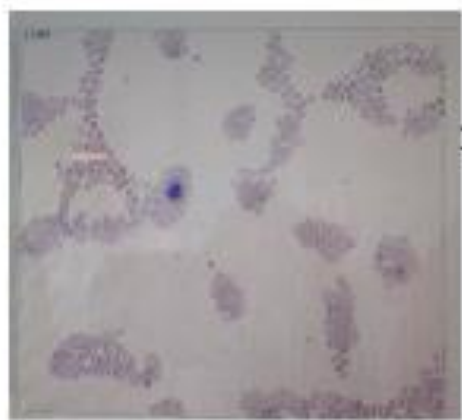
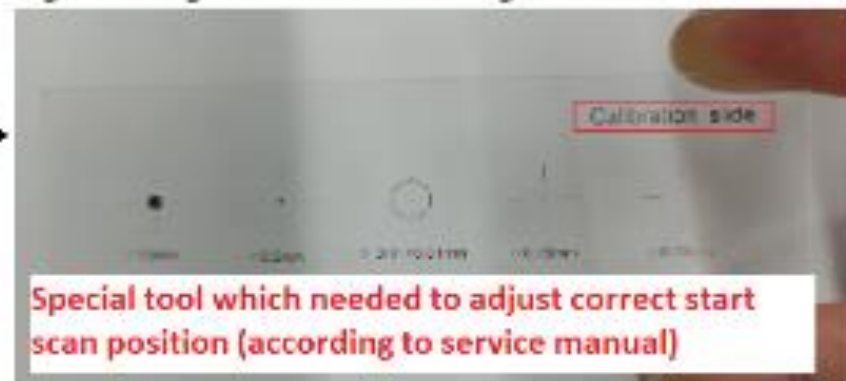
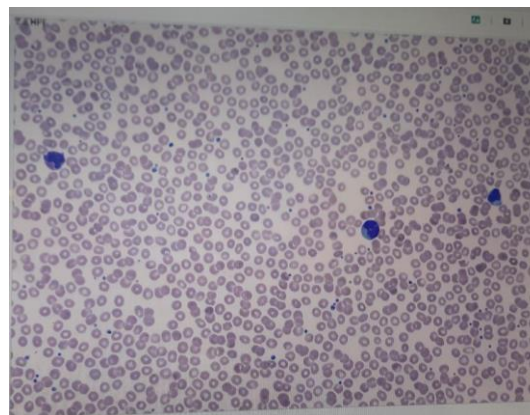
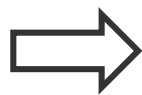
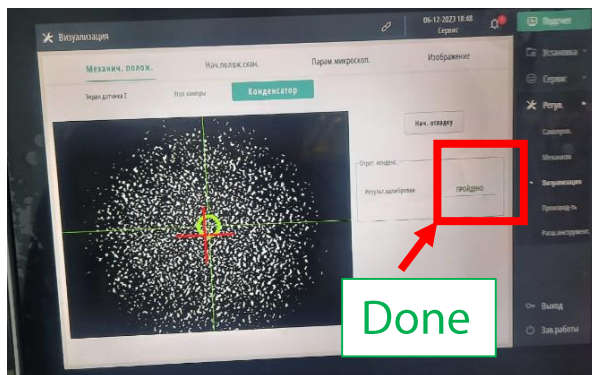


Figure 2 Diagram of Fixture Placing Direction



3. We **started to adjust scan start position** manually (without this special tool) and **increased brightness** more than 40



In conclusion:

- Always pay attention for **removing of shipping materials** after installations;
- Always pay attention to **quality of smears**. The smear couldn't be shorter than 19 mm;
- Pay attention to **brightness at MC-80**. The lack of light could be related with wrong working area problem;
- Always **keep in touch with engineers**.

Thanks!

mindray迈瑞