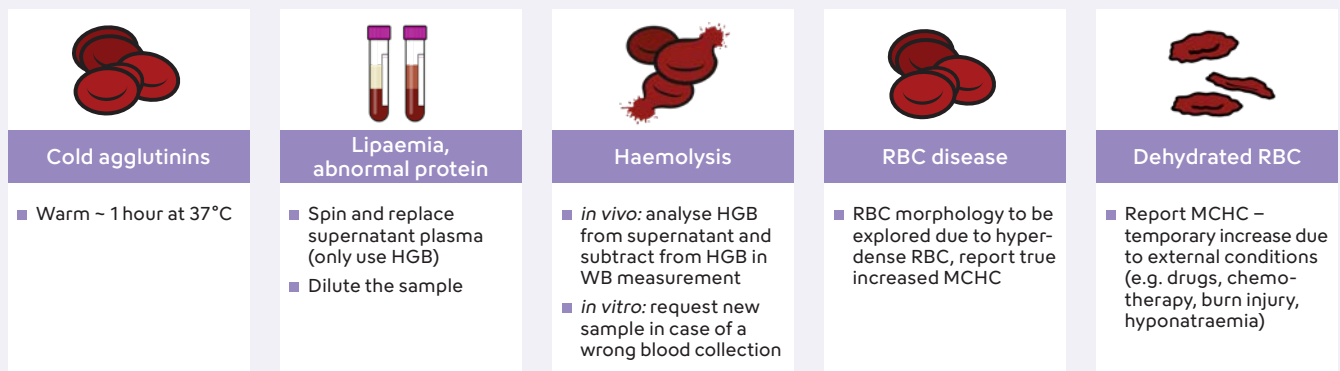


CBC-O – Discover the truth about increased MCHC

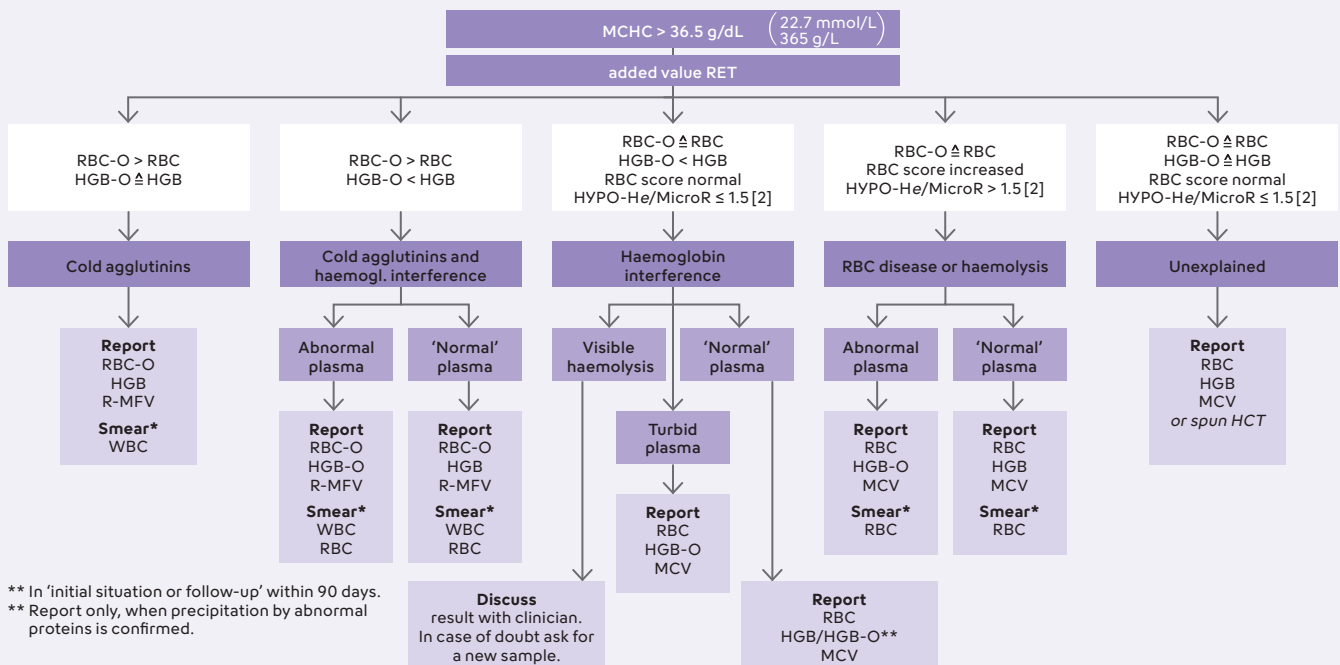
Increased MCHC – why is it so complex?

RBC impedance and HGB optical density (photometric) measurements are affected by a range of factors, which in turn impacts red cell indices. The laboratory's challenge is to determine the cause of the increased MCHC and to take appropriate corrective action. Some common causes and the associated standard procedures are shown below.



CBC-O – your answer is in the RET channel

The CBC-O concept helps to resolve the problem caused by the abovementioned interferences in traditional measurement methodologies. When the MCHC is increased, CBC-O reveals the cause and offers corrective actions using RET channel technology and a dedicated algorithm [1].



References

- [1] Berda-Haddad Y et al. (2016): Increased mean corpuscular haemoglobin concentration: artefact or pathological condition? Int J Lab Hematology. 39(1): 32–41.
 [2] Nivaggioni V et al. (2021): Detection of Southern Asian Ovalocytosis with Sysmex XN-10: A complement to the decision tree previously described. Int J Lab Hematol.; 00: 1–3. (from Extended IPU 5.2 onwards)