

ANNEXE 1 :

MÉTHODE DE SOINS

Test : *Qualitative assessment of acetaminophen serum level:* serum blood test

Technique de soins

STORAGE The ZAPTox™ Acetaminophen Test is stable unopened at 2°C - 8°C until the expiry date.

MATERIAL NEEDED

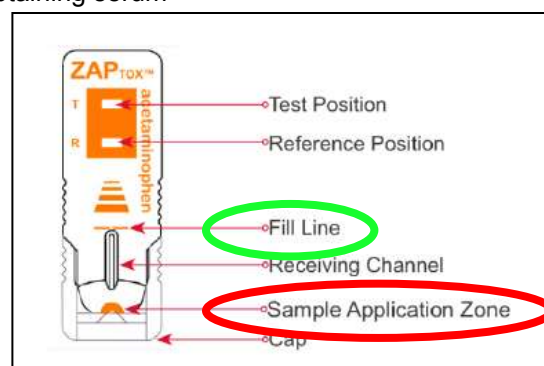
- Appropriate sample collection container and equipment for obtaining serum
- Sample transfer device (dropper/pipette)
- Timer

SAMPLE COLLECTION & HANDLING

For serum tests, obtain blood by venipuncture. In an appropriate container, collect blood and centrifuge to obtain serum.

PROCEDURE

1. Allow the ZAPTox™ Acetaminophen Test to come to room temperature (>18 C).
2. Remove the ZAPTox™ Acetaminophen Test from the foil pouch and discard the desiccant and packaging.
3. Apply the sample to the ZAPTox™ Acetaminophen Test Sample Application Zone (bottom of cartridge) using a liquid transfer device (dropper or pipette)(not supplied) until the sample reaches the Fill Line (40-45µL). Do not apply the serum to the T (test) or the R (reference) boxes.
4. Start the timer.
5. After 10 minutes, observe the appearance of blue colouration at the Test position (T). The Reference position (R) indicates the original colour. See Interpretation of Results. Do not interpret the results of the test after 15 minutes.



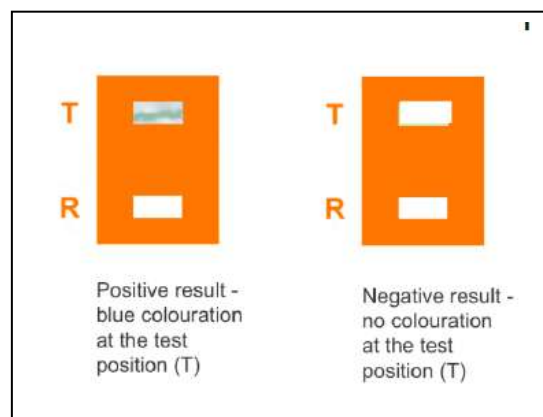
INTERPRETATION OF RESULTS

Notes:

- The intensity of a positive test signal will vary depending on the concentration of acetaminophen present in the sample. However, the quantitative value of acetaminophen cannot be determined by this qualitative test.
- The colour intensity of the test signal will increase slowly with time as a result of sample evaporation. Therefore, do not read the test after 15 minutes.
- see appendix 4: photo of positive test at different concentrations

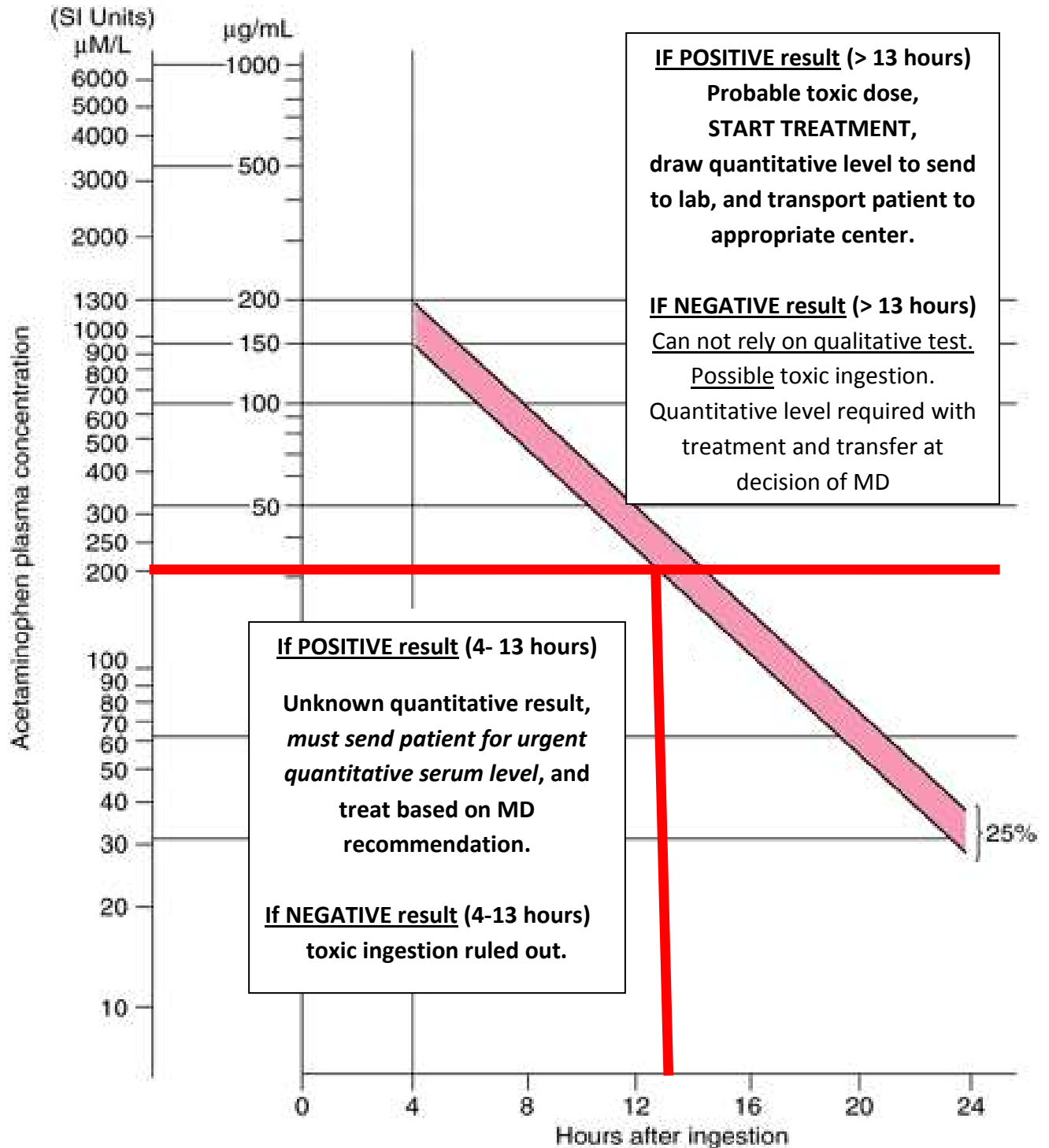
EXPECTED RESULTS

A blue colour at the test position was designed to be visible when a sample containing an acetaminophen concentration at or above 200 µM (30 µg/mL) is analyzed by the test.





Rumack-Matthew nomogram for single acute acetaminophen ingestions.





Annex 3: Quality Assurance for CHB clinic quantitative acetaminophen testing

Community: _____ Period number: _____

Date: _____

NOTE: A serum sample should be sent to the lab in chisasibi or chibougamou any time a qualitative acetaminophen test is performed. (See Annex 2)

<i>Date</i>	<i>Chart number</i>	<i>Time post ingestion (hrs)</i>	<i>Result : bedside test (+ or -)</i>	<i>Result : lab test (uMol/L)</i>	<i>comments</i>	<i>Done by: Print name + initials</i>

Please send to Nathalie Laflamme/Laboratoire/TCR/Reg18/SSSS at end of each period



Annex 4

Image of positive ZAPTox Acetaminophen test.

Please note that at the lower concentration of 200umol/L, the T (test) slot is faintly blue compared to the R (reference) slot, yet this is still considered a positive test.

If there is any doubt about the intensity of the blue, it is important to assume it is a positive test, and treat accordingly.

