



**DEFENSIE**  
Medische Component

# Le module labo du Role 2

Vincent Claes

# Le module labo du Role 2

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# Introduction

HMRA (Hôpital Militaire Reine Astrid)

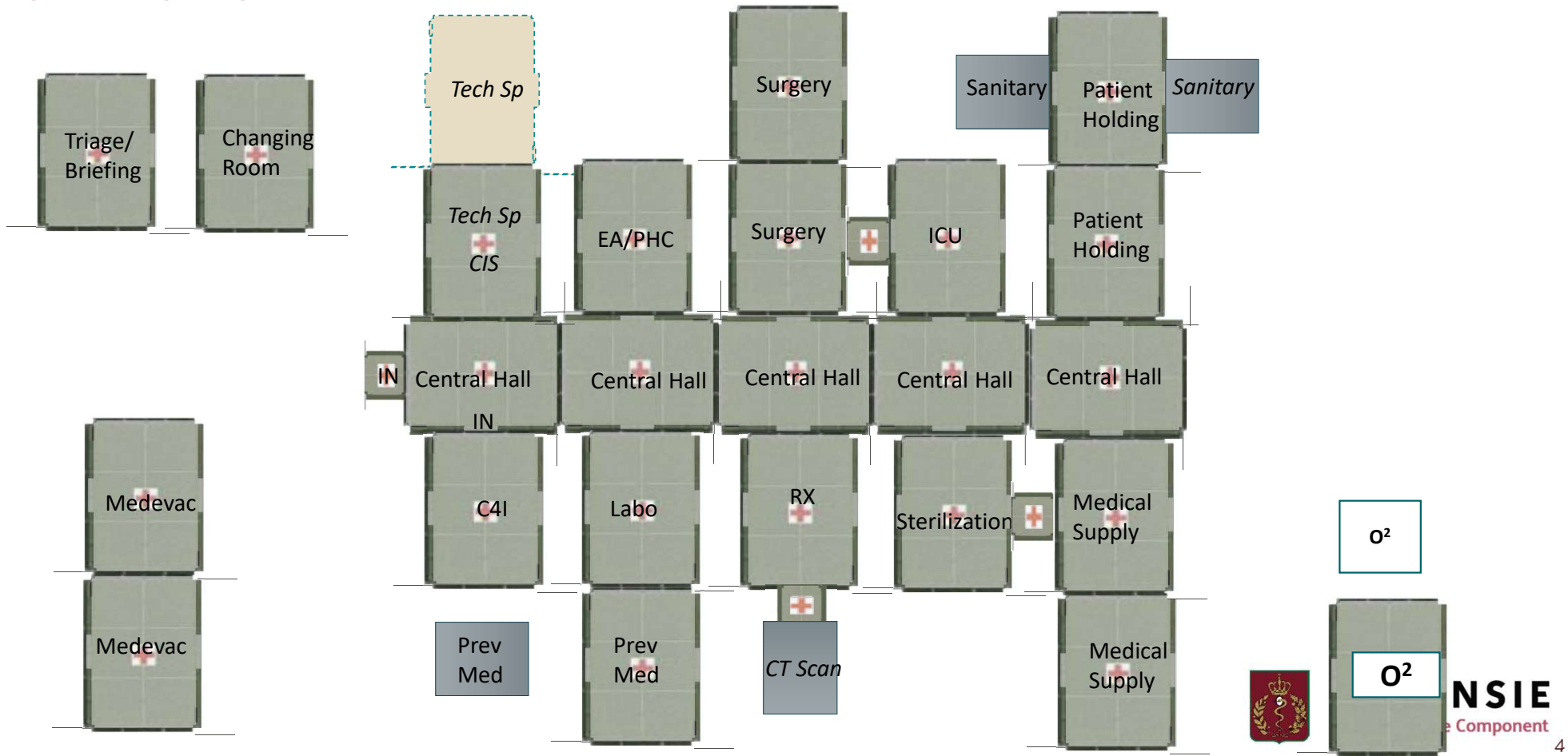


- MMLC (Military Medical Laboratory Capacity)
  - Laboratoire de Biologie Clinique et Banque de Sang (Pilier Territorial)
  - Labo Ops (Pilier Ops)
    - **Labo Role 2**



**DEFENSIE**  
Medische Component

# Introduction



# Introduction



# ■ Introduction

Pers

- 2 TLM
- (Biologiste à distance)



**DEFENSIE**  
Medische Component

# Quelles analyses ?

- AMedP-8.5



# Quelles analyses ?

Hemato	Hb
	Hct
	MCV,...
	PLT
	MPV
	WBC
Partiële formule	
Uittstrijkje	
Sneltest malaria	
Coagulatie	PT/INR
	aPTT
	Fibrinogeen
	D-dimeren
VET	
Immuno-hemato	ABO-D
	RHCE
	Compat
Chemie/immuno/sero	Na
	Cl
	K
	totaal Ca
	geïoniseerd Ca
	Lactaat
	CK
	ALT
	AST
	Lipase
	Amylase
	Glucose
	Creatinine
	Ureum/BUN
	Totaal eiwit
	Albumine
	Totaal bili
	Direct bili
	gamma-GT
	AP
	hCG
	CRP
	Troponine I
CK-MB	

Urinaire chemie en sediment	Strip hCG Sediment
Bloedgassen,...	pO2 O2 saturatie pCO2 pH HCO3 BE Anion gap
CO-oxymetrie	COHb MetHb
Moleculaire	PCR SARS-CoV-2
Annex A to AMedP-8.5	Vereist voor R3 Vereist voor R2E en R3 Vereist voor R2B, R2E en R3 Niet vermeld
	EDTA Citraat Heparine Urine NP Staal





# Flux des échantillons

Prélèvement



Transport



Enregistrement



Préparation



Analyse



Transmission des résultats



# Flux des échantillons

LAB REQUEST R2		
<b>Patient ID:</b>		DTG:
Last name and First name:		
Birth date:		
Sex:	<input type="checkbox"/> Male <input type="checkbox"/> Female	
Nationality:		
Patient Type:	<input type="checkbox"/> Civilian <input type="checkbox"/> Soldier	
<b>E</b> K <sub>2</sub> EDTA (Purple)	<b>Physician :</b>	
<b>S</b> Serum (Red)	Name	
<b>U</b> Fresh Urine (Yellow)	Signature:	
<b>H</b> Lithium heparin (Green)	MODULE	
<b>C</b> Citrate (Blue)		
Code device: 1-Istat, 2-Quanta, 3-Quick test, 4-Getein 1100, 5-Pochi, 6-Skyla, 7-Start max, 8-Urisys, 9-Manual, 10-AVOX		
Clinical information:		

HEMATOLOGY		
? RBC	5E	
HCT	5E	
HGB	5E	
? MCV/MCH/MCHC	5E	
WBC count	5E	
Neutro/lympho count	5E	
PLT	5E	

? WBC formula (thin smear)	9E
? Thick Smear	9E
? Malaria Antigen	3E

HEMOSTASIS		
? APTT	7C	
? INR/PT	7C	
? FIB	7C	

? VET (Quanta)	2C
----------------	----

1 full (extra) tube is required for VET

BLOOD BANK		
? ABO	9E	

BIOCHEMISTRY		
<b>Metabolism</b>		
? β-HCG	1H	
<b>Metabolism</b>		
? Glucose	6H	

Renal function		
? Urea	6H	
? Creatinine	6H	

Cardiac Enzymes		
? Troponin	4H	
? CK-MB	4H	
? CPK	6H	

Inflammation		
? CRP	4H	
? PCT	4H	

Liver		
ALT (GPT)	6H	
AST (GOT)	6H	
GGT	6H	
Bilirubin (Total)	6H	
Bilirubin (Direct)	6H	
AP	6H	

Pancreas		
? Amylase	6H	

Electrolytes		
Na <sup>+</sup>		
K <sup>+</sup>		
Cl <sup>-</sup>		
Ca <sup>2+</sup> (Ionised)		
Anion Gap		
? Ca <sup>2+</sup> (Total)		

Blood gases		
? Arterial	? Venous	
pH	1H	
pCO <sub>2</sub>	1H	
HCO <sub>3</sub> <sup>-</sup>	1H	
pO <sub>2</sub>	1H	
sO <sub>2</sub>	1H	
Base Excess (BE)	1H	
Lactate	1H	

? COHb	10H
MetHB	10H

URINE CHEMISTRY		
? Stick	8U	

	FORM	OPS
	<b>Field Blood Request Form</b>	
R2	Validated by: Vincent Claes	

Patient data	Clinical information
Patient ID:	
Last name:	
First name:	
Birth date:	
Sex : <input type="checkbox"/> M <input type="checkbox"/> F	
Nationality:	
<input type="checkbox"/> Civilian <input type="checkbox"/> Military	

Requesting physician	Time of collection of blood sample
Last name :	Date: ...../...../.....
First name :	Time: .....Hr.....
Date: ...../...../.....	
Signature :	

Collect 1 purple tube (EDTA) <b>BEFORE</b> Transfusion	
For Blood Group Determination (ABO + RhD)	
Blood Product Request	Quantity
Red Blood Cells	
Plasma	
<input type="checkbox"/> Immediate (< 15 min)	<input type="checkbox"/> Urgent (< 2 Hr) <input type="checkbox"/> Programmed
	.....



# Flux des échantillons



# ■ Appareils

- Hémato
  - Immuno-hémato
  - Coagulation-Hémostase
  - Chimie-Immuno
  - Chimie urinaire (tigette)
  - Gaz sanguins
  - CO-oxymétrie
  - PCR
- pocH-100i (Sysmex)  
ID-card (Bio-Rad)  
STartMax (Stago), Quanta (Stago)  
Skyla, Epoc (Siemens), iStat (Abbott)  
Urisys 1100 (Roche)  
Epoc (Siemens)  
Avoximeter 4000 (Werfen)  
GeneXpert (Cepheid)



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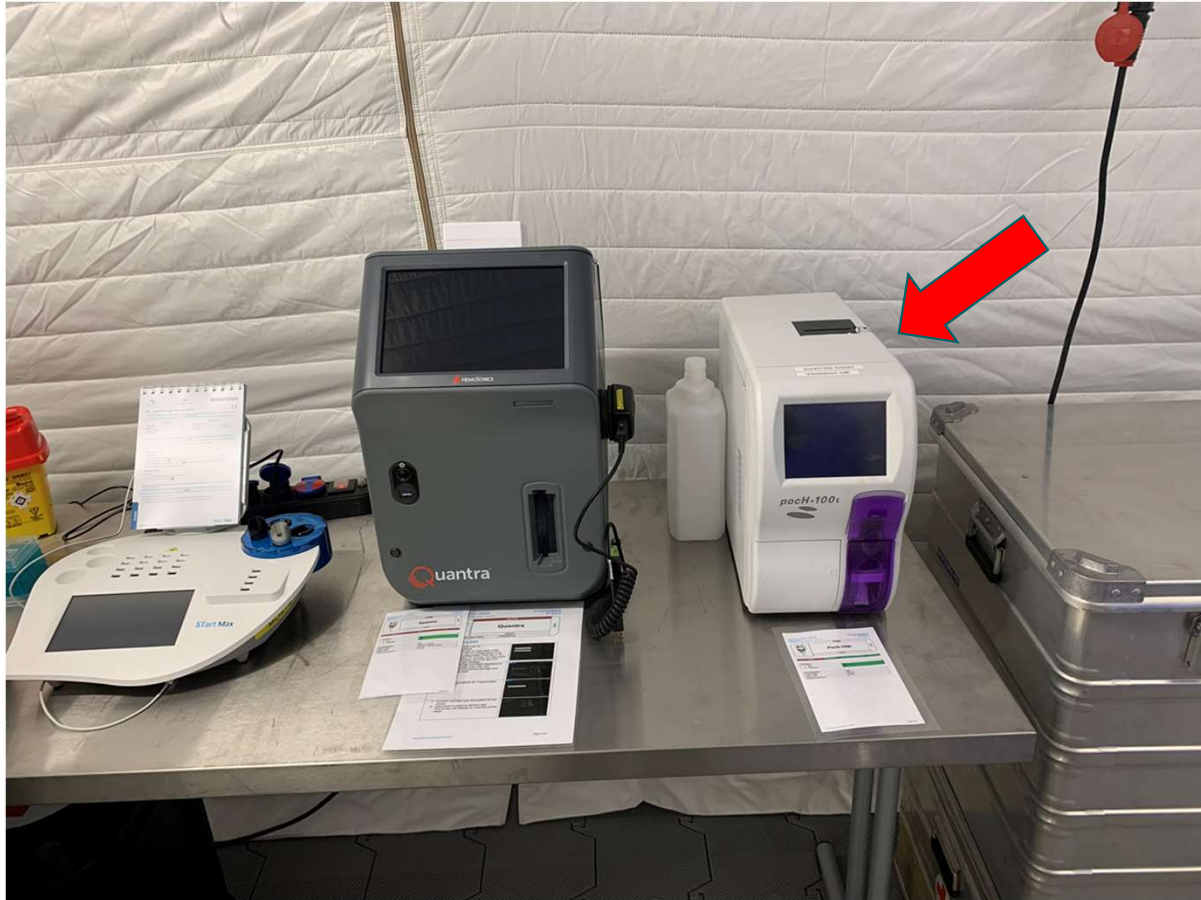
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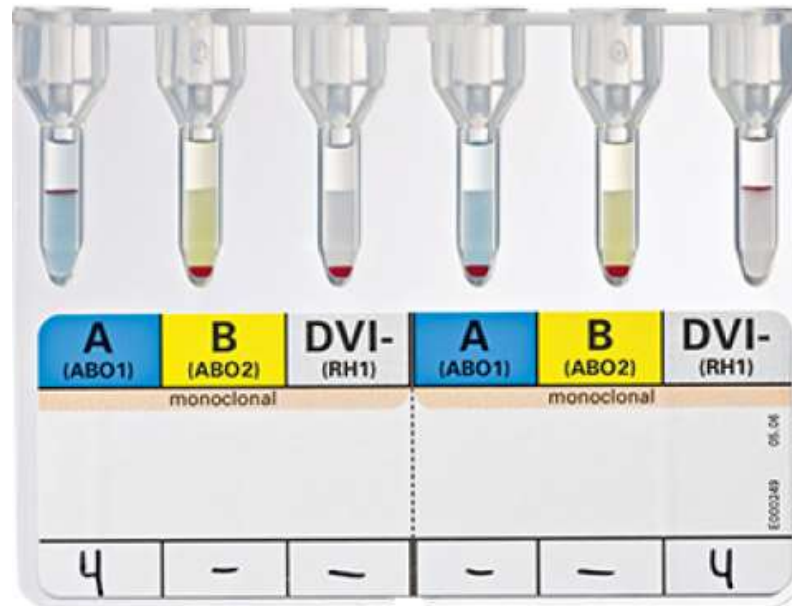
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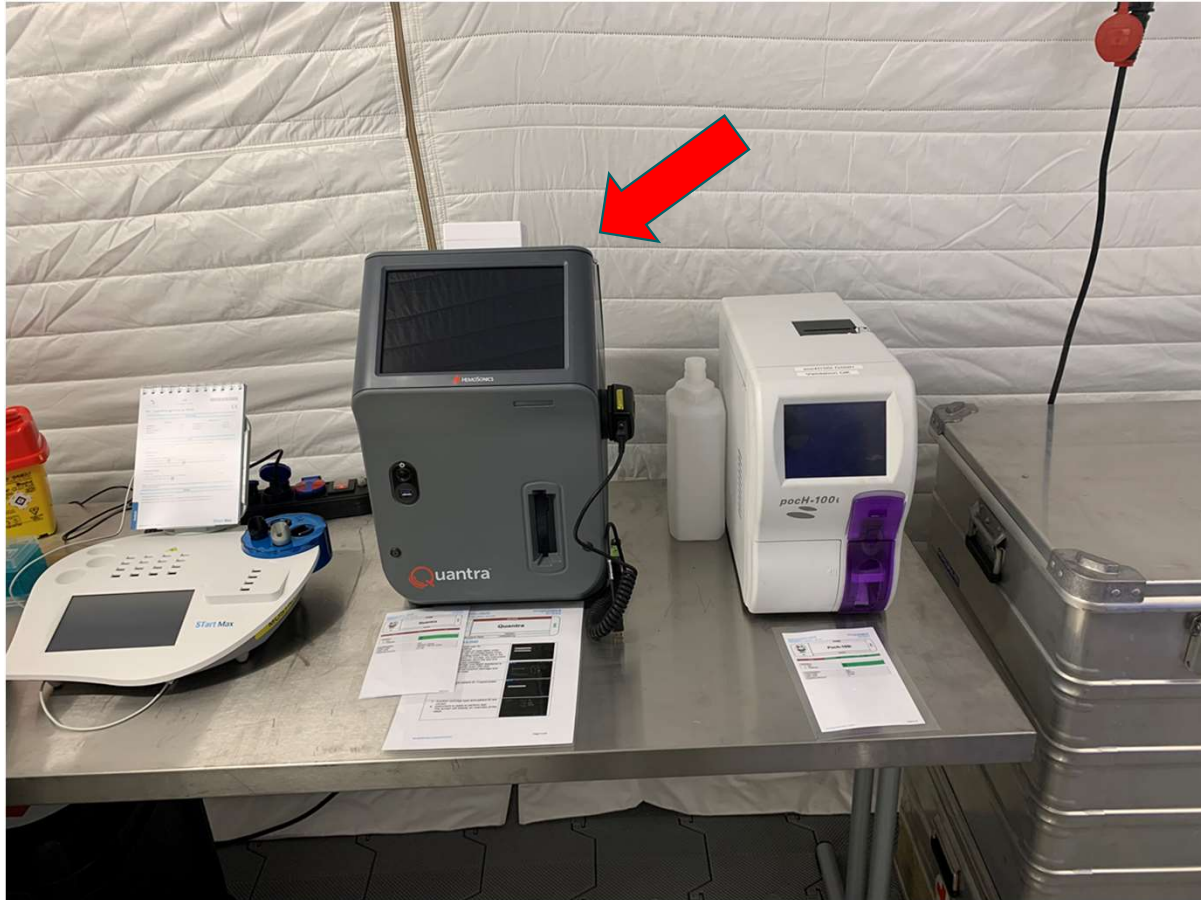
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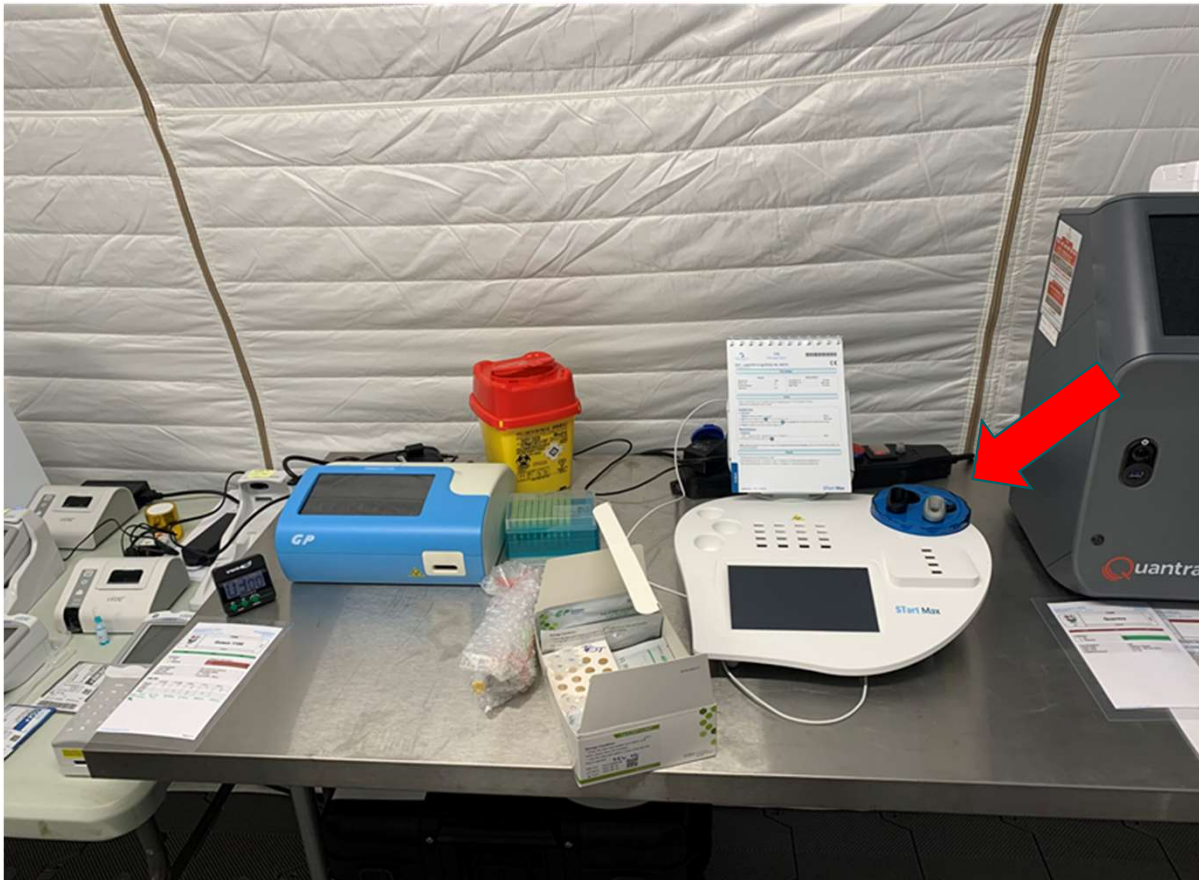
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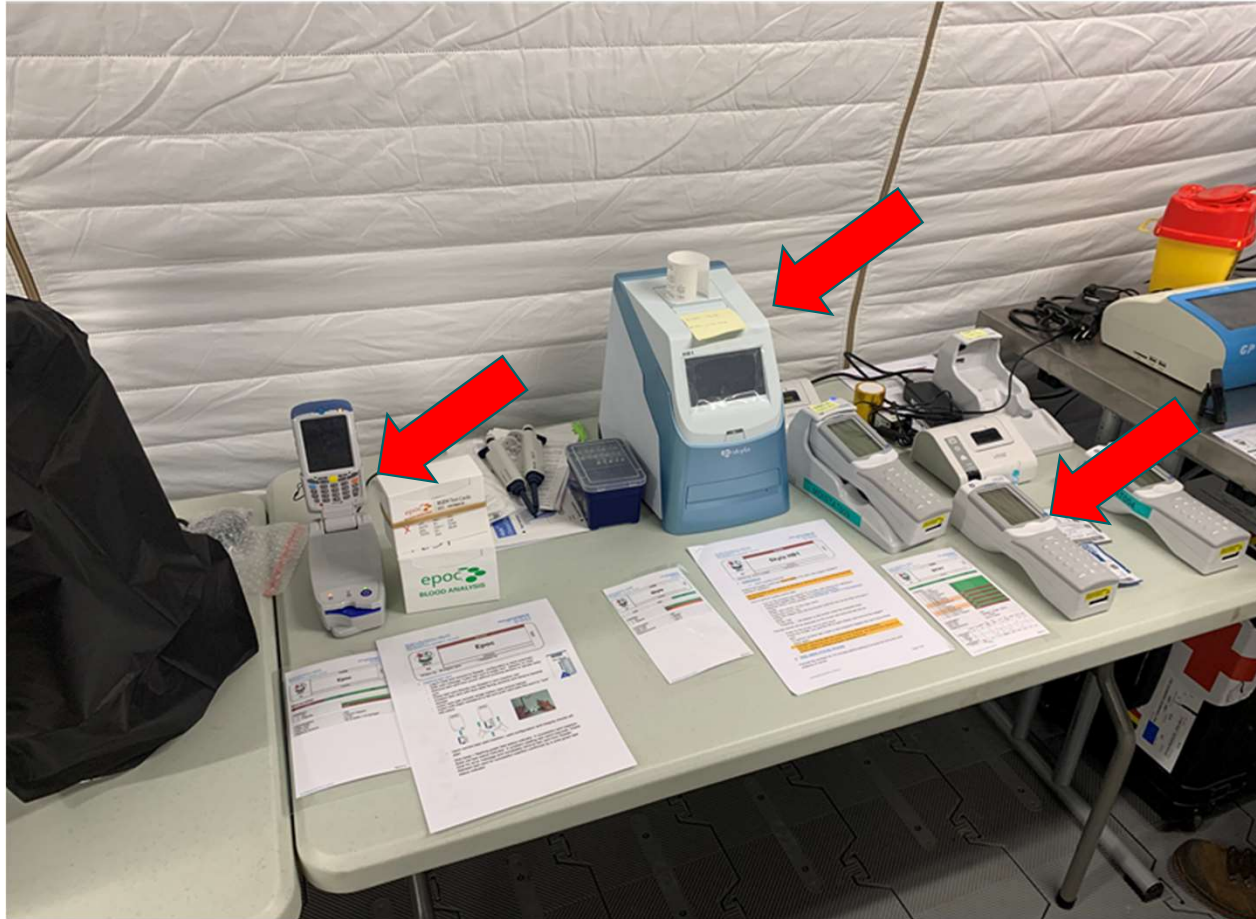
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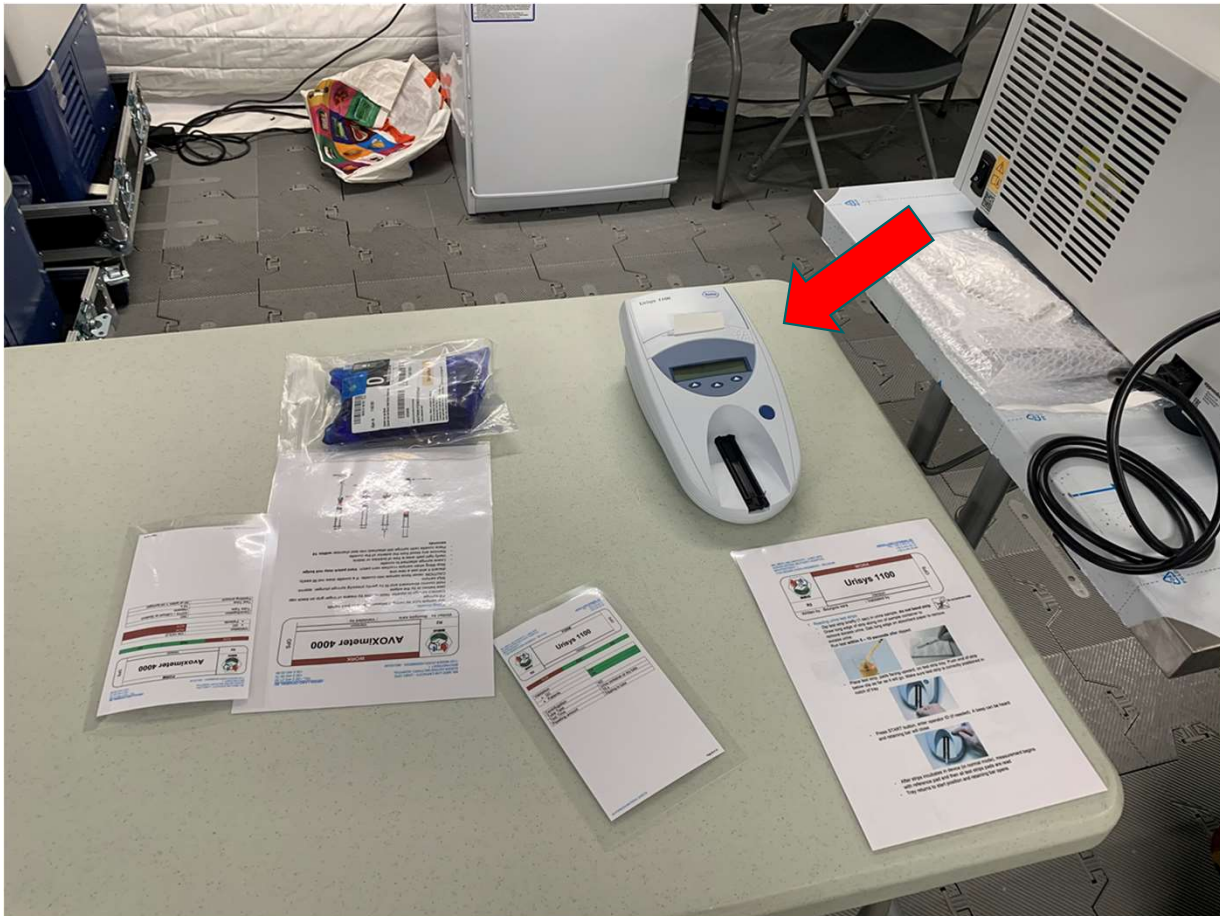
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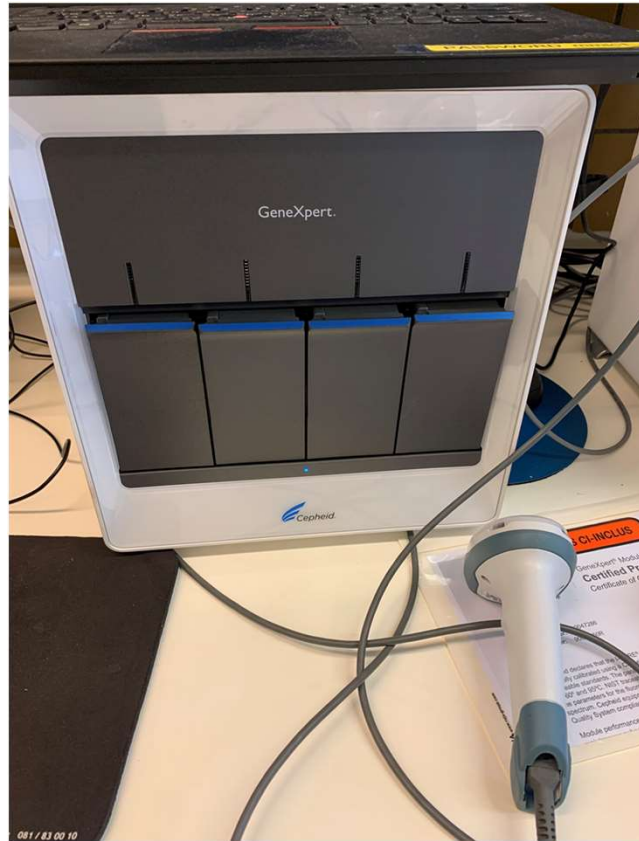


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# Apparei



# Appareils





# Banque de Sang



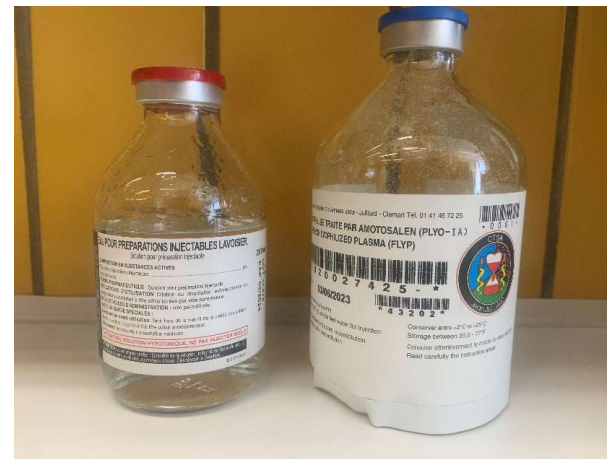
# Banque de Sang

## Les produits

- Globules rouges
- Solvent Detergent Plasma (Octaplas)
- Plasma lyophilisé (FLyP)
- Pas de concentré de plaquettes



octapharma



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# Banque de Sang





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# ■ Questions