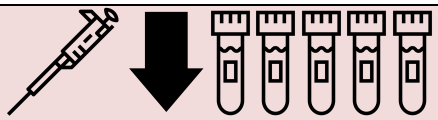
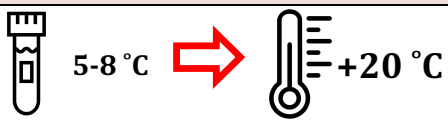
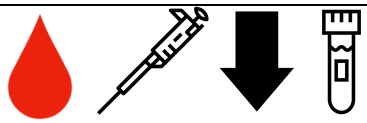
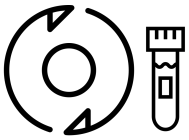
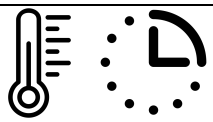
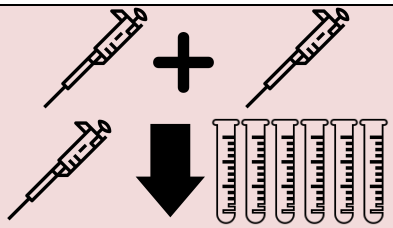
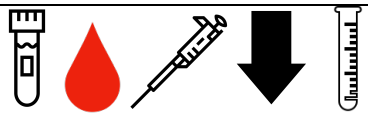
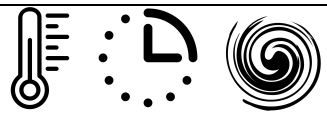
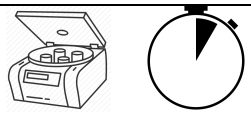
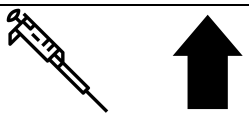
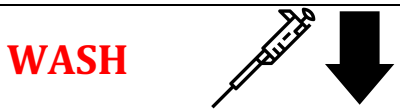
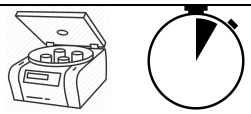
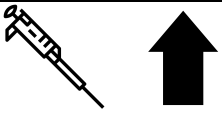
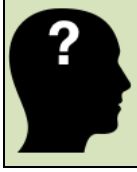
Whole blood processing kit
Graphical protocol
Sample stabilisation

1. ☐		Aliquot cryogenic vials with **Cytodelics Stabiliser** (**max. 1/3** of nominal volume). ***Stored at 5-8 ˚C*** *until sampling (up to* ***2 years****). Identify dispensed volume on label.*
2. ☐		Equilibrate at room temperature for 5 – 10 minutes.
3. ☐		Transfer equal amount of blood to a cryogenic vial.
4. ☐		Mix well by flipping the vial 10-15 times DO NOT VORTEX!!!
5. ☐		Incubate at **+20 ˚C** for **min. 10 minutes**.

6. ☐	6.a. ☐	6.b. ☐	
		 ≤ -20 ˚C	 **2M**
	 ≤ -80 ˚C	 ≤ -80 ˚C	 **1y**
	Store sample in ultra-low temperature freezer (**≤ -80˚C**); keep until further processing (up to **1 year**).	Store sample in freezer at **≤ -20˚C** (up to **2 months**). Transfer to ultra-low temperature freezer (**≤ -80˚C**) as soon as possible and keep until further processing (up to **1 year**).	

Processing after sample thawing

1. ☐		**Prepare 1x Fixation Buffer:** ↓ 1 part of 2x Fix-Concentrate ↓ 1 part of Fix-Diluent … and dispense to test tubes. Equilibrate at room temperature for 5 min.
2. ☐		**Thaw** blood samples cryogenically preserved in **Cytodelics Stabiliser** using 37 ˚C water bath (≈ 1 min).
3. ☐		Transfer 100 µL of the **Stabiliser + blood** mixture to the test tube
5. ☐		**Incubate** sample at **+20˚C** for **15 minutes.** Vortex multiple times throughout.
6. ☐		Add 2 mL of **LYSIS buffer** and vortex.
7. ☐		**Incubate** sample at **+20˚C** for 10-20 minutes (until the color of the solution is crystal clear red). **Do not proceed without complete RBCs lysis!**
8. ☐		Centrifuge sample at: **400g for 5 minutes**.
9. ☐		Aspirate supernatant but keep some volume at the bottom. **Do not decant!**
10. ☐		Add 2 ml of **WASH buffer**.
11. ☐		Centrifuge sample at: **400g for 5 minutes**.
12. ☐		Aspirate supernatant but keep some volume at the bottom. **Do not decant!**
13. ☐		If the pellets contain remaining RBCs (pinkish- red), repeat washing procedure (WASH buffer/ centrifugation/supernatant aspiration).
14. ☐	☐ 14.a.	☐ 14.b.
		
	Proceed to staining of sample.	Store samples in CRYO#20 and freeze at **≤ -80˚C**.