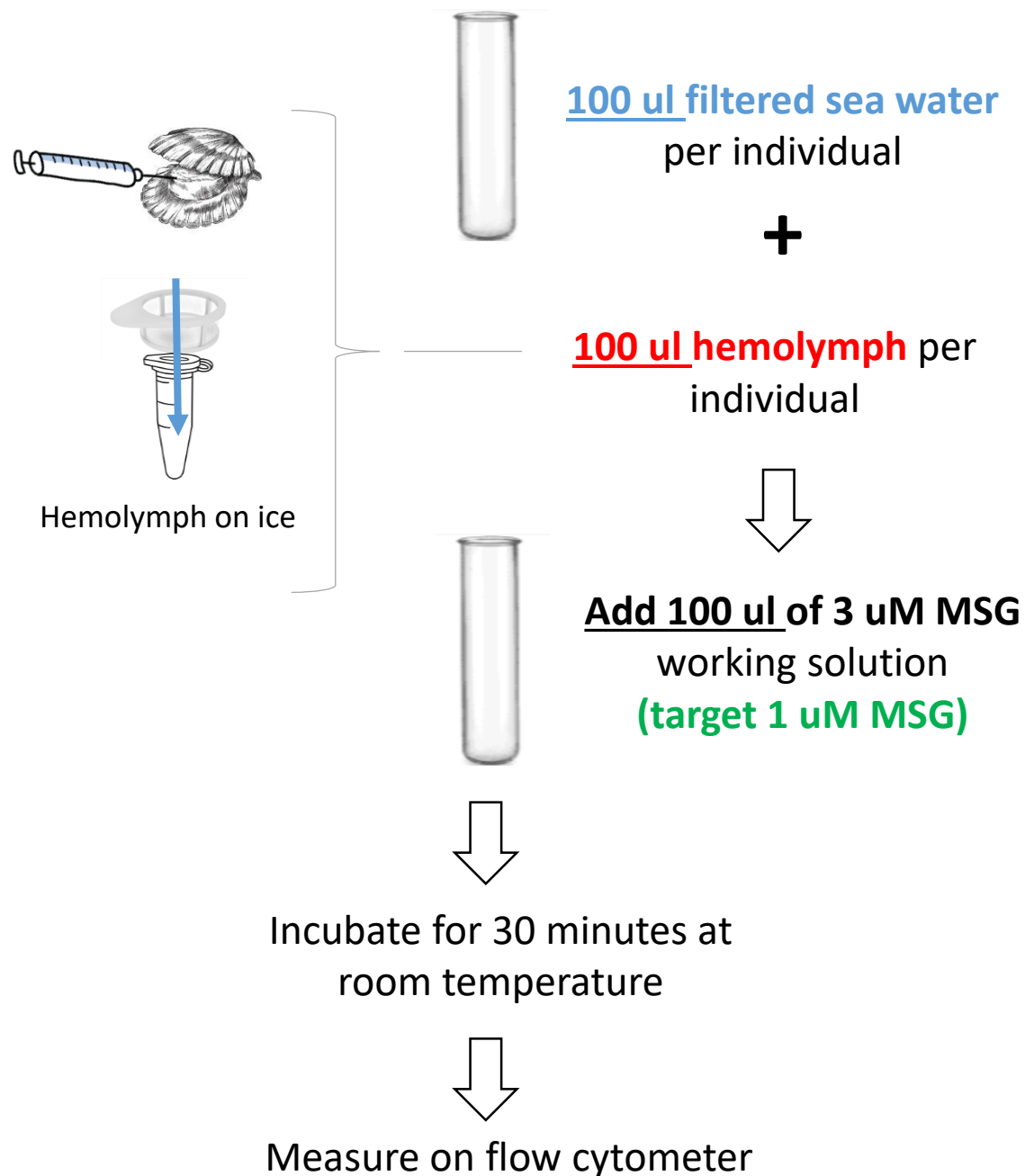


Flow cytometry: MitoSox Green Overview



Make 3 uM working solution of MitoSox green!

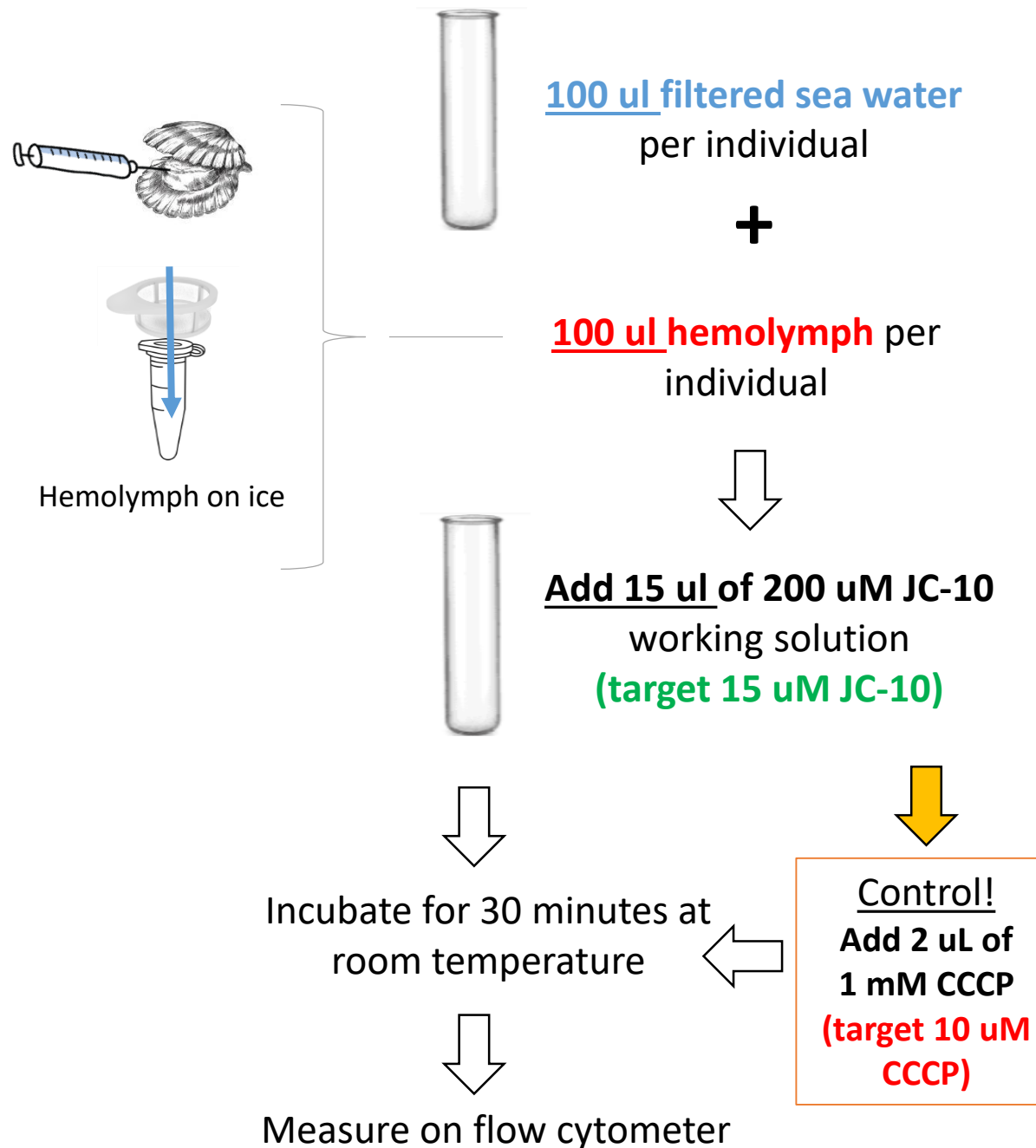
Dissolve all stock MSG (9 ug) in 10 uL DMF
(stable for 24 hours, use fume hood!)

Add 30 ul of MSG to 10 mL HBSS
(this is our 3 uM working solution)

NOTE! The volume of hemolymph will dictate how much 3 uM MSG working solution we add.

For example, if we have **only 50 ul hemolymph...**
add 50 ul FSW and **add 33.33 uL 3uM MSG** for 1uM!

Flow cytometry: JC-10 & JC-10 + CCCP Overview



Make **200 uM** working solution of **JC-10**!

NOTE: this targets 15 uM JC-10 in a 200 uL sample

JC-10 stock is 3428uM,
To make sufficient 200 uM working solution for 45 samples.. (actually 90 including the control!)
Add 81.69 ul JC-10 stock with 1,318.3 uL HBSS

NOTE! The volume of hemolymph will dictate how much 200 uM JC-10 working solution we add.

For example, if we have **only 50 ul hemolymph...**
add 50 ul FSW and **add 7.5 uL 200 uM JC-10** for 15 uM

Make **1 mM** working solution of **CCCP**!

NOTE: this targets 10 uM CCCP in a 200 uL sample

Our CCCP is 100 mg of 98% in solid form,
molecular weigh is 204.62 g/mole

Dissolve all CCCP in 48.8 mL HBSS in a labeled bottle, this is 1 mM CCCP working solution

NOTE! if we have **only 50 ul hemolymph...**
add 50 ul FSW and **add 1 uL 1 mM CCCP** for 10 uM

Flow cytometry: SYBR Green + Propidium iodide Overview

