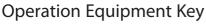
### **DigiPAsS Operation Manual**







Graduated Flask



Tri-Filter Arsenic Trap (Buna)



Hydrogen Sulphide Removal Filters



Black Filter Slide (Detection)

Red Filter Slide



DigiPAsS



Screwdriver



Filter Paper (arsenic test) (Labelled Black)



Filter Paper (removal) (Labelled Red)



**Powder Sachet** A2

Tablets A2



Dilution Tube



Cleaning Brush



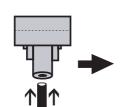
**Colour Chart** 



Waste Disposal Bag, Gloves & Forceps

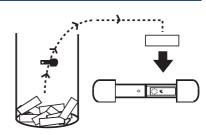
#### Stage 1: Loading bung device









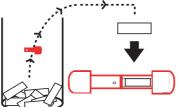


Take one Hydrogen Sulphide Removal Filter and insert into the bottom end of the bung.



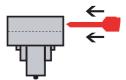
Take Red Filter (Removal) Slide and open.

Take Black Arsenic Filter Slide and open.



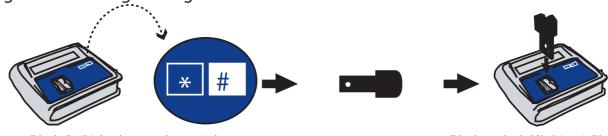
Take one Filter Paper from red labelled pot, use forceps and/or gloves to insert into position. (repeat filter paper insertion as before)

Take one Filter Paper from black labelled pot, use forceps and/or gloves to insert into position ensuring the filter paper is evenly covering the hole. Then firmly close slide holder, taking care to locate the pins in the slide holder correctly.



Get Bung device and ONLY insert the Red Filter (Removal) Slide into the top slot.

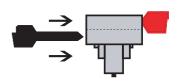
#### Stage 2: Calibrating the DigiPAsS

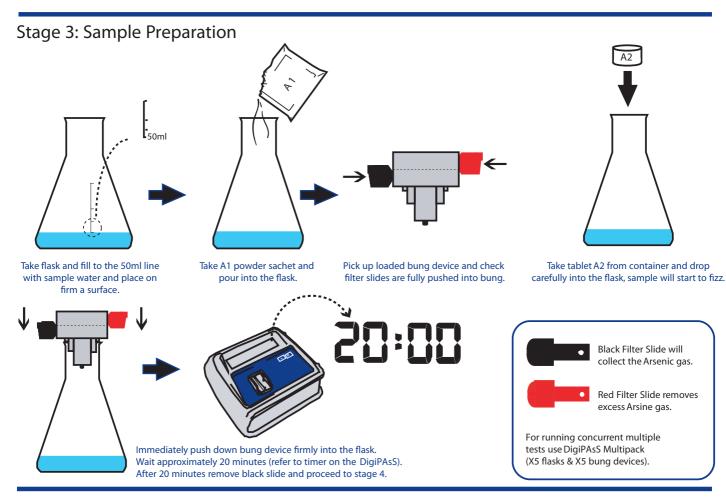


Take the DigiPAsS and press any key to switch on. This will then say 'Insert Slide'.

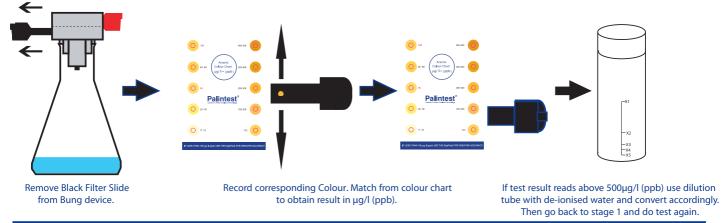
Take the pre-loaded Black Arsenic Filter Slide (the one that has just been fitted with filter paper) and insert slide.

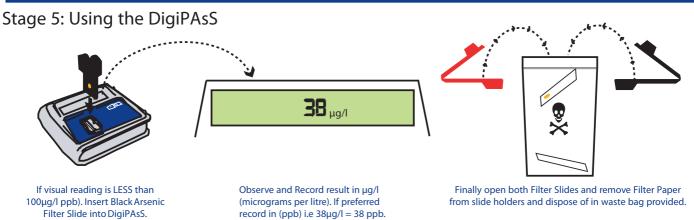






## Stage 4: Arsenic Measurement



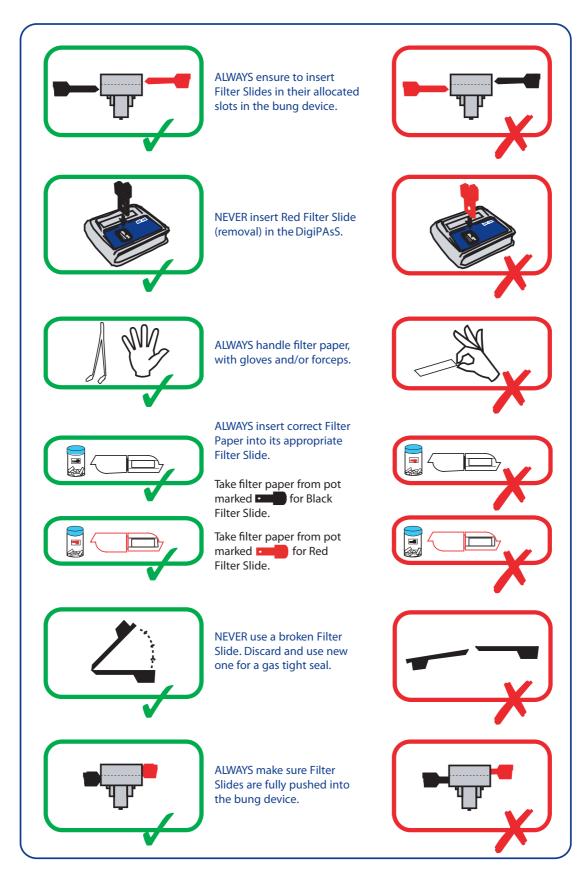


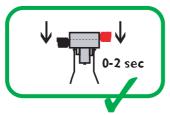


# Troubleshooting

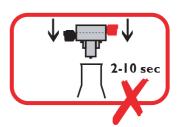








IMMEDIATELY insert bung device into flask within 0-2 seconds after powder A1 and tablet A2 have been dropped into the flask, to obtain accurate result.



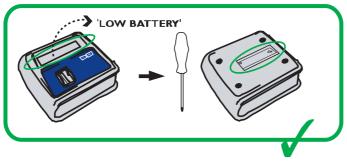


When removing filter paper from slide one should only observe a perfectly symmetrical colour stain, i.e yellow circle. If yellow stain goes beyond circle this suggests a gas leak which will give a low result. Repeat test ensuring Black Filter Slide is closed properly to maintain gas tight seal.





If internal cotton wool turns black within the Hydrogen Sulphide Removal Filter, DISCARD in waste bag and insert NEW FILTER.



If low battery indicator is displayed, change battery within the next 10 tests.



After every test rinse flask with water from next sample. Swirl, shake and discard solution ready for next test.



At the end of each day clean the flask with the brush provided.