

SHMAK, equipment and consumables order form

April 2025

What's included in the different SHMAK kits

The SHMAK Standard kit includes conductivity/temperature meter, kick net, 1m folding ruler, 30m tape measure, white tray, bug box, magnifying glass, brushes, disposable gloves, water sample containers, tweezers and a carry box with lid. Manual and identification guides are included.

Choose from a clarity tube (with carry case, cap and magnet) **or black disc set** (with viewer box and mirror) depending on the visual clarity of the stream.

The SHMAK Plus kit includes everything in the Standard kit, as well as kits for *E. coli* bacteria, dissolved nitrate and phosphate.

Choose from either a clarity tube (with carry case, cap and magnet) **or black disc set** (with viewer box and mirror) depending on the visual clarity of the stream.

The SHMAK Plus kit contains chemicals and equipment to culture pathogens which are not approved for use in schools ([Safety & Science | Pūtaiao – Guidance for Schools & Kura](#)).

Visual clarity is measured using a clarity tube or black disc, which both measure the distance through water that a human eye can see a black object. Most streams are best assessed by viewing a black disc in the stream through an underwater viewer. This equipment works well down to about 0.1 m (10 cm) visibility. If your stream is very turbid (<0.5m visibility), the clarity tube is preferred because it is more precise and safer (no wading required).

Invoicing details

Company:

Address:

Attention:

Email:

Phone number:

Client reference:

Delivery details

Company:

Address:

Attention:

Phone number:

Item	Number required	Price per item	Total
SHMAK Standard Kit			
Standard kit with clarity tube (with carry case, cap and magnet)		\$920	
Standard kit with black disc set (with viewer box and mirror)		\$1050	
**SHMAK Plus Kit			
Plus kit with clarity tube (with carry case, cap and magnet)		\$1550	
Plus kit with black disc set (with viewer box and mirror)		\$1700	
Additional equipment and SHMAK consumables¹:			
Hobo temperature logger		POA	
Black disc set (with viewer box and mirror)		\$375	
Clarity tube (with carry case, cap and magnet)		\$240	
Clarity tube cap		\$20	
Clarity tube magnet		\$22	
Kick net		\$320	
Conductivity tester		\$130	
Additional manuals		\$35	
Additional invertebrate ID guides		\$15	
**Microtest Nitrate-N NED 0.0 – 0.8 mg/L kit		\$90	
**Microtest Nitrate-N NED 0.0 – 4.5 mg/L kit		\$90	
**Phosphate meter (with pack of 6 reagents)		\$130	
**Phosphate reagents (pack of 25 reagents)		\$17	
** <i>E.coli</i> - Petri film (pack of 25 sheets)		\$145	
<i>E.coli</i> - Filter cups (box of 50)		\$160	
<i>E.coli</i> - Heater 25 watt		\$35	
** <i>E.coli</i> – Full kit		POA	
pH - Indicator Strips		\$30	
Courier Charges - Rural delivery may incur additional charges			
South Island - SHMAK Plus and Standard Kits	From	\$80 per kit	
North Island - SHMAK Plus and Standard Kits	From	\$100 per kit	
Courier – Component orders	To be calculated at time of order		
Note – all prices exclude GST		Total	

** contains chemicals (antimony compounds, phosphoric acid) and equipment to culture pathogens which are not approved for use in schools.

¹ Please contact Instrument Systems for replacement consumables required but not listed above.