

TrichinEasy
cod. 90060

&

PLYTricons
cod. 12070



Anisakis



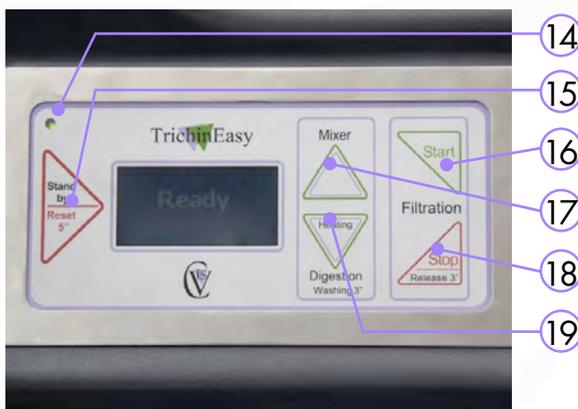
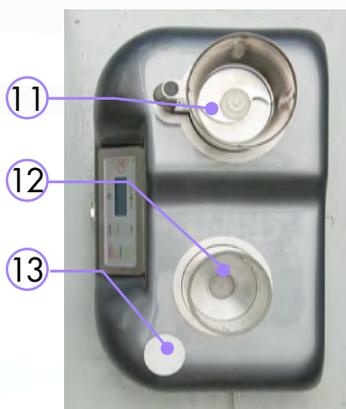
Anisakis procedure



INDEX

- DESCRIPTIONS OF THE APPLIANCE Page 3
- TECHNICAL DATA AND ACCESSORIES Page 4
- OPERATING METHOD Page 5
- FUSES REPLACEMENT Page 11





IMPORTANT

Read the instructions for use while carefully observing the illustrations.

Descriptions of the appliance

FRONT VIEW

- 1 - Mixer and Digestion container
- 2 - Filtration cylinder
- 3 - Keyboard
- 4 - Display
- 5 - Prefilter
- 6 - Serial port

REAR VIEW

- 7 - Main switch "on / off"
- 8 - Identifying label
- 9 - Fuses

RIGHT LATERAL VIEW

- 10 - Exhaust pipes

UPPER VIEW

- 11 - Blades
- 12 - Filter holder
- 13 - Dish heater

DISPLAY / KEYBOARD VIEW

- 14 - Led "on"
- 15 - Stand by / reset 5" button
- 16 - Start Filtration button
- 17 - Start Mixer button
- 18 - Stop Filtration button /
Filtration cylinder release 3"
- 19 - Start Digestion button /
Heating / Washing 5"

Descriptions of the appliance

Voltage: 85/250Vac \pm 10% 60/65 Hz

Temperature: from +10°C to +40°C

Max relative humidity: 85%

Note: The electric safety conditions are guaranteed up to a relative humidity of 85%.

Transport and storage

Temperature: from +10°C to +40°C

Max relative humidity: 85%

Atmosphere pressure: from 50 to 106 Kpa

Warnings: This equipment should be connected to an ground socket outlet, DO NOT use adapters, multiple sockets or reducers.

Important: The Company declines all responsibility for damages due to repairs, modifications or combine use with other equipment without permission from our technical personnel.

Accessories

Analysis standard kit (**PLYtricons 12070**) includes:
HCl, pre-dosed Pepsin 10 gr, a pair of plastic forceps



Optionals

Fluorescence microscope, dedicated PC, fixation and staining solutions.



Operating method

WARNING: Before starting the operating method insert the exhaust pipes in a proper liquid waste container.

Sample Mince and Digestion.

Switch on the instrument by the back main switch and verify that the green LED is on and the Display shows "Ready".



In case you need to remove the blades, press the "A" button and proceed with the extraction.



Weigh the sample in quantity not exceeding 200 gr.

Insert the cover with arrow on the handle center.



Close the Mixer and Digestion container cover turning it clockwise.

Check that cover handle is aligned to the container handle.

If the cover is not properly set an alert will show up and the instrument won't operate.



Press "mixer" button for two seconds.
Add in the Digestion container the sample,
quantity not exceeding 200 gr as previously prepared.

WARNING: A preliminary procedure of threading
removal will be required in case of breaded samples.

Add in the Mix and Digestion container 1000ml of hea-
ted water, suggested temperature 39/40°C

WARNING: Don't press the Mixer button when the
Digestion container is filled with water.

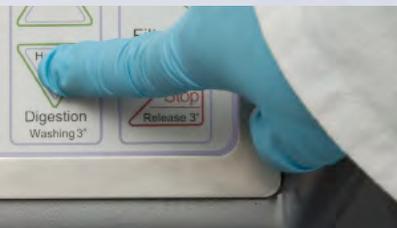
Press the "Heating" button. The instrument checks auto-
matically the temperature of the liquid in the Mixer and
Digestion container and if necessary starts a heating
phase and, if needed, the system will automatically start
the heating program as what was previously set in the
main menu. Suggested temperature 36°C +/- 1°C.

Wait that the display shows "Hot".

Add the content of "A" bottle in the Mixer and Digestion
container.

Reagent's quantitative for every sample type are illustra-
ted in Tab 1.





Press the "Digestion" button in order to start the digestion, average timing of 20min. Some sample types will require digestion timing not illustrated in Tab 1.



Add predosed pepsine (bottle)



Please wait for the acoustic signal at the end of the cycle, and for the message "Digestion Completed" on the display.

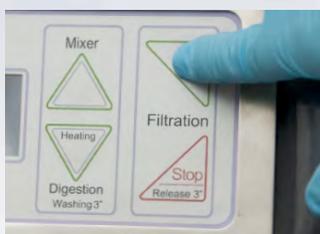
Tab 1.
Digestion condition classified for each sample type.

SAMPLE TYPE	PEPSIN (g)	HCl 10% (ml)	TIME (min)
- Muscle and entrail (fish)	10	50	20
- Breaded fish samples	10	100	35
- Cephalopods	10	100	35
- Salted products	10	100	35

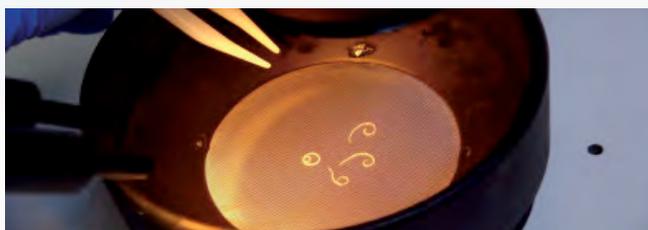
Research and filtration larvae



When the digestion is completed, put the resulting product into the filtering container and start the filtering program pressing "Start" button, which will launch the total unload of the digested sample.



Press "Stop" if you need to interrupt filtering process.



Remove the 180 μm filter and start the larvae research with the stereomicroscope.

The obtained larvae can be put in test tubes with Ethanol 70% for later identification.

Larve isolation

Take out the larvae from the 180 μm filter. Put them on the microscope slide and add a few drops of ethanol on the larvae.

Wait until the ethanol is completely evaporated than add a few drops of PI.



After circa 15 minutes your sample will be ready for fluorescence microscope analysis.

The sample processed with staining procedure can be kept for long time at room temperature.

Washing

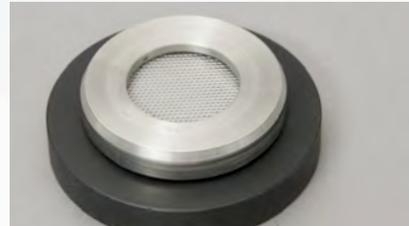
Decant into the Mixer and Digestion container 1 litres of deionised water adding the content of "L" bottle.

Press the heating button and wait until the display says "hot".

Press the "Washing / Heating / Digestion" button 5 seconds, on display will appear the message "Washing" and wait for the end of Washing cycle.

At the end of every digestion and filtering program, the system needs to run an automatic washing cycle using 1L water together with the content of bottle "L". In order to start this procedure press "Digestion" button for 5 seconds until the message "Washing" appears on your display. At the end of the washing cycle pour the liquid content from the mixer container to the filtering cylinder and press "Start" in order to let the washing solution reach every component of the system.

Decant all the liquid of the Mixer and Digestion container into the Filtration cylinder.





After few minutes press the "Filtration" button start. When all the washing solution has been pumped out press the "release" button 3 seconds. Remove the Filtration cylinder and wash it with clean water.



Remove the Mixer and Digestion container and wash it with clean water.



Fuses replacement

Switch OFF the device and disconnect the power cable.

Use a flat-blade screwdriver, turn the fuse holder gently to release the fuse that must checked or replaced.

Pull the fuse holder out and remove the fuse. Replace it with another of the same current rating.

2 FUSES 5 x 20 F2 10 A

Declaration of conformity



Manufacturer: C.T.S.V. s.r.l.
Via Cipro 1
25100 Brescia

Model: TrichinEasy

Technical data: Input Voltage 85/250 Vac \pm 10%
50/60 Hz

Application of Council Directives: - 2006/95/CE (LVD Low Voltage Directive)
- 2004/108/CE (EMC Electromagnetic Compatibility)

Testing Provider: TESEO S.P.A.C.E.
Corso Fleming, 25 - 10040 Druento (TO)

Tests: - Confirmation of conformity to the: Low Voltage Directive 2006/95/CE

Certificate of conformity to Electromagnetic Compatibility:
EN 61326:1997 + A1:1998 + A2:2001 + A3:2003

Year: 2007

I, the Undersigned, hereby declare that the equipment above conforms to the above Directive Standards, when installed in accordance with the manufacturers specifications.

A handwritten signature in black ink, appearing to read 'Armando Roggero', is written over a light blue circular stamp that contains the text 'TrichinEasy'.

Armando Roggero
General Manager



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