

Xenopus diagnostic testing service

Inotiv, formerly Envigo, offers multiple diagnostic health monitoring panels for xenopus, water and environmental samples.

Testing services are available for individual agents or as a full panel. All processing and reporting are conducted with the same processes, integrity and quality assurance as our other testing services. Limited sampling kits are available for environmental and water testing. Please contact us for more information.

XENOPUS TESTING PANELS*

Agent	Sample type	Xenopus Panel I	Xenopus Panel II
<i>Batrachochytrium dendrobatidis</i>	ventral skin swab	x	x
<i>Mycobacterium chelonae</i>	E, swab of lesion, kidney, liver	x	x
<i>Mycobacterium marinum</i>	E, swab of lesion, kidney, liver	x	x
<i>Pseudocapillaroides xenopi</i>	dorsal skin swab	x	x
<i>Ranavirus spp.</i>	E, SS, OS, T	x	x
<i>Aeromonas hydrophilia</i>	F, SS, T, E		x
<i>Cryptosporidium spp.</i>	F		x
<i>Pseudomonas aeruginosa</i>	F, swab of lesion		x
<i>Salmonella spp.</i>	F		x
<i>Saprolegnia spp.</i>	F, SS, T, E		x

E: environmental sample (biofilm, water, sediment, detritus); F: feces; SS: skin swab; OS: oral swab; T: tissue (kidney, liver, spleen, tadpoles).

* qPCR will be performed on the Xenopus testing panels.

MICROBIOLOGY PANEL⁺

Agent	Sample type
<i>Aeromonas dhakensis</i>	F, SS, E
<i>Aeromonas hydrophilia</i>	F, SS, E
<i>Elizabethkingia meningoseptica</i>	F, SS, E
<i>Pseudomonas aeruginosa</i>	F, SS, E
<i>Salmonella enterica</i>	F, E
<i>Saprolegnia spp.</i>	F, SS, E

⁺ Microbiology testing methods will be performed on the microbiology panel and agents listed above.

Recommended sampling frequency is **every 6 months**



Sample type, collection and shipment

TISSUE SAMPLE (TS) OR TADPOLES (TD):

All tissues should be submitted as a separate and single sample. Single tissues or tadpoles can be placed into a 2ml labelled tube. Please freeze prior to shipping. Ship with dry ice or ice packs to maintain temperature throughout shipping.

ENVIRONMENTAL SAMPLES (ES):

For all environmental sampling types, we recommend the use of a polystyrene transport boxes containing cold packs or dry ice as noted below. Most samples should not be frozen; live feed is the exception.

ENVIRONMENTAL SAMPLES COULD INCLUDE ONE OR MORE OF THE FOLLOWING:

- a. **Detritus, biofilm and sediment:** Rub a dry flocked swab on the biofilm or sediment to collect detritus. Once collected, cut the head of the swab into a 2ml labelled tube and submit. Refrigerate and ship with ice packs.
- b. **Animal feces:** Collect animal feces into a 2ml labelled tube and submit. Pooled feces from different animals collected in the same tube can be tested as a single sample. Pooling feces of animals with different health statuses or across different systems is not recommended.

WATER (W):

Using a sterile 50ml syringe (without needle) collect ~50ml of water and transfer into a labelled falcon tube closed tightly to avoid leaks. Ship water samples with ice packs.

SKIN AND ORAL SWABS (SS OR OS):

Rub a dry flocked swab on the skin, oral cavity, gills (tadpoles) or lesioned areas and organs and submit in a culturette tube including transport medium such as Amies Medium without charcoal, and shipped with cold packs.

We recommend next day delivery for all sample types. Contact us for more information on storage prior to shipping.

Please contact us regarding this and other testing capabilities, including zebrafish, at healthmonitorlab@inotivco.com or visit us at inotivco.com/full-spectrum-health-monitoring

Inotiv provides 24/7 online access to all of your health monitoring reports. Contact us to gain access today.