

Iwaki Aquatic

XENOPUS System



System Features

- Available in stand-alone, flow-through and multi-rack configurations
- Standard configuration is a four-shelf system. Custom configurations available, please inquire
- All systems feature Iwaki Aquatic magnetic drive pumps for minimal noise and vibration
- Powder coated aluminum with leveling feet options
- Open shelving provides easy access to tanks, water feed and drain manifolds
- System plumbing is designed with unions in strategic locations so the entire system can be easily disassembled for cleaning
- Titanium chiller options

LAB REED®
Four-Shelf Single-Sided System



Easy access to all components including UV, titanium chiller, pumps and web enabled controller



Filtration System

- Low maintenance oversized moving bed biofilter
- Stainless steel UV unit
- Large capacity 50-micron cartridge filter
- 600 gram capacity activated carbon filter
- 150-200 micron filter pad

Innovative Tank Design

- 16 liter and 23 liter polycarbonate tanks and lids standard. Other sizes are available, please inquire
- Tanks feature our “flood and flush” siphon drain assembly for unmatched solids removal efficiency
- Overflow drain in rear tank wall provides added redundancy
- Tanks are placed on black shelf decking for reduced algal growth and preferred background for Xenopus
- Aeration option for tanks
- Tadpole drains available

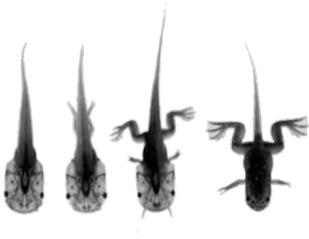


Flood and Flush Drain Assembly

16 Liter



23 Liter



Iwaki Aquatic Life Support Controller



- Monitor and control your system remotely with any internet ready device and our powerful cloud based software platform
- Sends email or SMS text alerts when parameters are out of range
- Chart/graph water quality parameters over time. Up to 90 days with 15 minute sampling intervals
- Standard with pH, temperature, conductivity sensors and dosing control
- System includes level and flow sensors for safety and shut-down of electrical components in the event of a low water or low flow situation

Specifications



ITS-X Four Shelf System

Tank Options	16 Liter	23 Liter	
Tank Quantity	20	16	
<i>Xenopus laevis</i> Capacity @ 1 Adult/3.0 Liter	106	122	
<i>Xenopus tropicalis</i> Capacity @ 1 Adult/0.75Liter	426	490	
Total System Volume (Liters)	460	508	
Total Tank Volume (Liters)	320	368	
Turnover Rate per Hour	3-5		
UV Dose Rate uW-sec/cm2 (*EOLL 12 Months)	100,000 at 4 turnovers per hour		
Mechanical Filter, 50 Micron	0.55 M2		
Activated Carbon Filter	600 grams		
	Width	Depth	Height
System Dimensions, Centimeters	201	64	236
System Dimensions, Inches	79	25	93
Operating Weight with 23 Liter Tanks	759 Kg, 1,685 Lbs		
Voltage/Hertz/Amps with Standard Chiller	120/60/12	or	230/50-60/6

Notes:

16 and 23 liter tanks can be mixed on a rack, just not on each level

* EOLL - end of lamp life

About Iwaki Aquatic

Iwaki Aquatic was established as a division of Iwaki America in 2016 to support the aquatic research community. Iwaki Aquatic's mission is to build quality aquatic research systems that are extremely reliable and easy to both use and maintain. Our 60+ years of experience in designing and building controllers and pumps for global water treatment applications, position us as the leader in both technology and value. Our aquatic team includes aquaculture specialists, biologists, engineers and customer service experts with many years of experience supporting aquatic research systems. Our standard aquaria rack systems are designed specifically for the African Clawed Frog *Xenopus* spp. and Zebrafish *Danio rerio*, but over the years our experts have designed and built custom systems for over 150 different aquatic organisms. No project is too big or too small.

Contact us today to start your project!



ISO 9001 registered company

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