**Xenopus laevis Animal Care**

**Frog Holding conditions**

Frogs are housed in modular units from Pentair. These units provide a temperature, conductivity and pH controlled environment of recirculating water that is constantly undergoing mechanical, biological and UV filtration.

**Tadpole/Froglet Parameters**

Water Temperature: 75°F (range 73 – 77°F)  
pH 7.4 (range 7.2 - 7.6)  
Conductivity: 1000 µS (range 900 - 1100)

**Adult Parameters**

Water temperature: 68°F (range 64 – 68°F)  
pH: 7.8 (range 7.0 - 8.5)  
Conductivity: 1600 µS (range 1200 - 1800)

**Water Quality**

NH₃/NH₄: 0 (0 – 0.5)  
NO₂⁻: under 1  
NO₃⁻: under 40  
Alkalinity: over 40

**Feeding**

*laevis* are fed depending on size.

Juveniles are fed *twice* daily.  
J strain frogs are fed once a day.  
Adult frogs are fed on Monday and Thursday.

Feed **frogllets** a 1:1 of Nasco post-metamorphic frog brittle (medium brittle)/Bio-Oregon Bio Vita Fry 2.0 mm  
Feed **adults** 1:1 of Adult frog brittle/Bio-Oregon BioTrout 4.0 mm according to size.

Feed large adults approximately 4 pellets/frog and juveniles or smaller adults 10-12 medium pellets/frog. After an initial feeding, add additional pellets as needed to tanks that are still actively feeding.

1-3 hours after feeding check cleanliness of the tanks, net them out if necessary (use a different net for each tank)
When introducing trout pellets to a diet, start with a 1:3 to Nasco brittle, then 1:2, and eventually 1:1

**Bio-Oregon Products** ([www.bio-oregon.com](http://www.bio-oregon.com))
Bio Vita-Fry: Feed size 2.0mm
BioTrout: Feed size 4.0 mm

**Nasco Products** ([www.enasco.com/xenopus/](http://www.enasco.com/xenopus/))
Post-Metamorphic Brittle: SB29027(LM)MX
Adult Brittle: SA02764(LM)MX

**Density**

**Tadpoles** should be kept at 2-3 tadpoles per liter (40-50 tadpoles in 16L XR3 Nursery Tank).
**Post metamorphic froglets** can be kept at 1 froglets per liter (10-15 froglets in 16L XR3 Tank).
**Juvenile (3-8 month olds)** and **adults** should be kept at no more than 1 frog per 3 liters (15 frogs in 40L XR4 tank).