

## Biosecurity Precautions: Disinfecting Procedures



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## What does Biosecurity mean?



- 1) Protecting biologists from zoonotic pathogens .
- 2) Protecting wildlife from pathogens or contaminants that could be introduced by biologists or the public.  
(decontamination, translocation)



## Wear Disposable Gloves



Latex



Vinyl

Gloves Rinsed with Distilled H<sub>2</sub>O  
Cashins et al. (2008)



Nitrile

\$12/box of 100



## Wear Personal Protective Equipment



Non-porous  
or  
disposable



## Animal Care

Plastic Bags



Disinfected  
Containers

Multiple  
Individuals



Minimize  
Disturbance

Release Near Capture



## Disinfecting Equipment

Scrape Mud and Scrub



# Disinfecting Equipment

## Spray Bottle or Immersion



Johnson et al. (2003), Bryan et al. (2009)

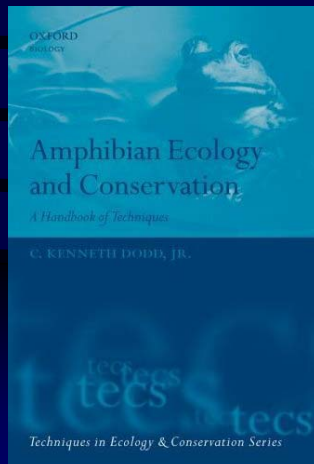


\$60/  
bottle



- Bleach  $\geq 4\%$
- EtOH  $\geq 70\%$
- Virkon  $\geq 1\%$
- Nolvasan  $> 0.75\%$

# Amphibian Disease & Biosecurity References



Dodd, C. K., editor. 2009. *Amphibian Ecology and Conservation: A handbook of techniques*. Oxford University Press, UK.

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# Questions??



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