

**BIOSECURITY PROCEDURES
MARYLAND INLAND FISHERIES
Advice to the Public – Jan 2010**

STANDARD PRACTICE

- Use clean, dry and/or disinfected gear – carry duplicate gear if needed
- Within the same water, fish upstream to downstream if at all possible
- Be aware of existing problems in a watershed and act with appropriate caution
- Don't move water, animals or plants from one stream to another – it's illegal
- Refrain from using felts on your boots

SAMPLING

CHECK

- Check for specific problems in area being fished
- Remove all dirt and debris from all gear – including boots, clothing, boats, trailers, nets, buckets, motors, pumps, bilges, live wells
- Drain all water and remove all plugs to allow drying

CLEAN

- Scrub well with clean water
- Use appropriate disinfection/decontamination from following page as needed
- Clean away from waters to prevent contamination; establish disinfection station at your home if you fish a lot

DRY

- Dry all gear completely; 48 hours or dry to touch; in sunlight if possible

STOCKING – IF YOU HELP STATE AGENCIES TO STOCK

- Wear clean gear and disinfect boots, gloves and clothing after helping
- Dry thoroughly if possible
- Don't get on the stocking truck
- Let the truck operator fill your bucket
- Buckets should not be dipped in stream or pond, fish should be poured in
- No exchange of anything from stocked area to truck

DISINFECTION TECHNIQUES – Inland Fisheries Jan 2009

Follow appropriate procedures after making sure all debris and dirt is removed. If you must move from one waterway to another, use duplicate gear or disinfect thoroughly

Boats, tanks and boat trailers

On-site during sampling

- Drain all water, including water in motor, bilge, pumps and livewells
- Disinfect carpeted bunks on trailers using spray bottle containing 1/4oz Lysol® per gal water or straight vinegar, followed by clean water rinse, if available

Home-base disinfection

- Use hot water and disinfectant
- Dry all surfaces completely to touch in sunlight, at least 48 hours

Other gear and sampling

On-site sampling

- Scrub well and dry well

Home-base disinfection

- Use hot water and disinfectant followed by complete clean water rinse or dry completely in sunlight at least 48 hours

If area is know to have a specific problem, choose disinfection technique from following table or carry extra gear. Most of these techniques need to be conducted at home-base away from water. (Salt, drying and freezing are exceptions.) Use extended time for porous materials

Treatment	% solution	Formula	Duration	Problem/gear
Salt	5%	2 cups/2.5 gal	> 1 min	Many, effective for Didymo/non-metallic
Dish detergent (Palmolive or Dawn)	5%	1 cup / gal water	> 1 min	All, effective for Didymo/all gear
Virkon Aquatic*	1%	1:100 solution	> 1 min	All but WD and ZM/all gear
Hot water soak	>140° F		> 1 min; for WD in felts 40 min +	All/all
Hot water power wash	>140° F		> 1 min, hit all surfaces and crevices	All/all
Hot water + detergent	>113° F 5%	95 parts water:5 parts detergent	> 1 min; for WD in felts 30 mins +	All/all
Drying			> 48 hrs	All/all
Freeze			to frozen solid	Porous items that will stand up to freezing

*Virkon Aquatic available from Western Chemical 1-800-283-5292 www.wchemical.com. Don't purchase Virkon S; should not be used near water