## KOI: Gross and microscopic assessment form

Freely distributed – by Dr. Erik Johnson, DVM – koivet.com & pondrx.com

Assessment for:		□ In-house
Examiner:	[	□ Not Applicable
<b>Historical Notes</b>		
□ Number affected	☐ Pond Volume	□ Alkalinity
□ Number dead	□ Pond Temp	□ Water Clarity
□ New fish lately?	☐ Ammonia Level	□ Total Inches Fish (1" per10g)
□ When?	□ Nitrite Level	
□ Quarantined?	□ pH Level	
Gross Examination		
□ Eyes □ Norm. □ Bulging	□ Fins	□ Body Bulges □ Yes □ No
□ White Pupils □ Damaged	□ Describe	□ Describe
□ Mouth □ Normal □ Open □	□ Body Shape	□ Body Sores □ Yes □ No
Rotten □ Damaged	□ Describe	□ Describe
☐ Gills ☐ Red ☐ Pale	□ Body Mass □ Normal	□ Redness □ Yes □ No
□ Rotten □ Green □ Slimy	□ Lean □ Skeletal	□ Describe
☐ Mucus ☐ Excess ☐ Scant	□ Tail □ Complete	□ Argulus
□ Normal □ Patches	□ Red □ Rotten □ Split	
□ Lernea	□ Ergasilus	
<b>Body Scrapes</b>		
□ Flukes / Trematodes	□ Ich	□ Chilodonella
□ Costia / Ichthyobodo	□ Trichodina	☐ Ambiphrya
□ Tetrahymena	□ Glossatella	☐ Hexamita
□ Epistylis	□ Scyphidia	□ Trichophrya
□ Pollen	□ Algae	□ Fungi / Saprolegnia
Gill Biopsy / Scrapes		
□ Flukes / Trematodes	□ Ich	□ Chilodonella
□ Costia / Ichthyobodo	□ Trichodina	☐ Ambiphrya
□ Tetrahymena	□ Glossatella	☐ Hexamita
□ Epistylis	□ Scyphidia	□ Trichophrya
□ Pollen	□ Algae	□ Fungi / Saprolegnia
Samples Collected / Sent		
☐ Liver ☐ Tissue ☐ Swab	☐ Kidney ☐ Tissue ☐ Swab	□ Spleen □ Tissue □ Swab
☐ Intestine ☐ Tissue ☐ Swab	☐ Gonad ☐ Tissue ☐ Swab	☐ Air sac wall ☐ Tissue ☐ Swab
☐ Heart ☐ Tissue ☐ Swab	☐ Blood ☐ Sample ☐ Swab	☐ Gall Bladder ☐ Tissue ☐ Swab
□ Peritoneum □ Tissue □ Swab		Ц
Send to: Samples.koilab.com		

PCR – Swab test of dying fish for Koi Herpes Virus – Collect on sterile swab from organ or blood and freeze and ship overnight.
In Situ Hybridization – Finds virus in cells of infected fish. 10% buffered formalin fixed tissues sent to samples.koilab.com
KHV Agglutination Test – Frozen blood samples in red top tubes from live fish, shows antibodies to KHV
Culture and Sensitivity – Bacterial culture and what they're sensitive to, sent on swab overnight on ice, but dry. Collected from an internal organ from sacrificed fish or aseptically collected blood from live fish.

Histopathology - Sample of tumor or organ put in 10% buffered formalin and sent with descriptive to samples.koilab.com

Use of this form expressly implies that any user of this form acknowledges and accepts that this form is not intended to render a "diagnosis" nor does it replace the advice or services of a licensed veterinarian who treats ornamental fish. In fact, the document is a guide to allow the hobbyist to collect thorough details and data of value to the practitioner if such a professional should be consulted in the above case. No prescription can be made based on the above data.

## Of course there's an AD on the front of the document!



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At PondRx you get a person on the phone, who knows how to approach an illness in pondfish and Koi, and who's backed up by a concise arsenal of truly effective solutions with "How To" instructions included in the package sent to you.

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