



# *South Hants Koi Club*

## Koi Health and Welfare

### Water Testing

#### **Essential:**

Thermometer (Digital type now inexpensive, accurate & easy to read)

<b><u>Parameter</u></b>	<b><u>Target Reading</u></b>
pH (test kit or electronic type)	<i>Between 7.0 to 8.5</i>
Ammonia	<i>Negligible or &lt; 0.1 mg/l</i>
Nitrite	<i>Less than 0.1 mg/l</i>
Oxygen	<i>Greater than 6 mg/l</i>

#### **Useful:**

Nitrate	<i>Less than 50 mg/l</i>
General Hardness	<i>Defines the 'buffering' properties of the water (ability of the pH to change). Required for some medication dosages.</i>

#### **Other Tests**

- You will require a facility for taking & examining mucus scrapes either via your own microscope or Koi Club for parasitic identification.
- You may occasionally require 'Transport Swabs' to take a sample at an infection site for laboratory 'Sensitivity Testing' for anti-biotic selection.
- Dip Slides are sometimes useful to measure the bacterial level in the pond.