Antibiotics and Antimicrobials

• Antibiotics and Antimicrobials for feed addition
  Neoflor powder
  Neoflor powder 4%

• Water-soluble antibiotic, antimicrobials
  Ampicin
  CY Tilmipho 200

• Liquid and ointment
  Neoflor 20% oral sol
  Enroxacain 20% Oral
Neoflor powder (네오플러산)

Medication for Swine Respiratory Disease

- Composition:
  (Each 1kg Contains)
  Florfenicol: 20g (potency)

- Characteristics:
  - It has a very high sensitivity to major causative agent of porcine respiratory disease and shows an excellent antibacterial activity compared to other antibiotics.
  - It is a safe agent that does not cause adverse effects in humans, has a superior efficacy in treating both chloramphenicol-sensitive bacteria and chloramphenicol-resistant bacteria.
  - The results of a comparative study on the major serotypes (type 2, 5) of pleuropneumonia demonstrated a superior therapeutic effect at a lower concentration than the other antibiotics tested.

- Indications:
  Prevention and treatment of swine respiratory disease caused by florfenicol-sensitive bacteria. For pig feed, uniformly mix 1~2 kg (0.1%~0.2%) per ton and administer for 7 days.

- Caution:
  Withdrawal period: 3 days

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Neoflor powder 4% (네오플러산 4%)

Medication for Swine Respiratory Disease

- Composition:
  (Each 1kg Contains)
  Florfenicol: 40g (potency)

- Characteristics:
  - It has a very high sensitivity to major causative agent of porcine respiratory disease and shows an excellent antibacterial activity compared to other antibiotics.
  - It is a safe agent that does not cause adverse effects in humans, has a superior efficacy in treating both chloramphenicol-sensitive bacteria and chloramphenicol-resistant bacteria.
  - The results of a comparative study on the major serotypes (type 2, 5) of pleuropneumonia demonstrated a superior therapeutic effect at a lower concentration than the other antibiotics tested.

- Indications:
  Prevention and treatment of the disease below caused by florfenicol-sensitive actinobacillus.
  - Pigs: pleuropneumonia

- Dosage & Administration:
  For pig feed, uniformly mix 500g~1kg (0.05~0.1%) per ton and administer for 7 days.

- Caution:
  Withdrawal period: 3 days
Ampicin

**Extensive water-soluble antibiotics**

- **Composition**: (Each 1kg Contains)
  - Ampicillin trihydrate: 100g

- **Indications**: Prevention and treatment of various diseases caused by ampicillin-sensitive gram-positive and gram-negative bacteria
  - Fowl: infectious coryza, enteritis, necrotizing dermatitis, pullorum, salmonellosis, fowl cholera, staphylococcus, colibacillosis
  - Pigs: Salmonellosis, swine erysipelas, pleural pneumonia, bronchitis, cystitis, nephritis, necrotizing enterocolitis, coli bacillosis
  - Calves: pneumonia, bronchitis, bacterial diarrhea
  - Dogs, cats: dextrose micrococcos/staphylococcus, Streptococcus dermatis

- **Dosage & Administration**: Dissolve the amount below for administration.
  - Calves: 4 ~ 15g of medication per 100kg bodyweight
  - Pigs, dogs, cats: 0.5 ~ 2g of medication per 10kg bodyweight
  - Fowl: 1g of medication per 10kg bodyweight (slow 10g per [1000 ~ 1500] kg)

<table>
<thead>
<tr>
<th>Dosage Conditions List</th>
<th>Broiler Chicken 1,000</th>
<th>Layer Chicken 1,000</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Age of the week</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Dosage(g)</td>
<td>60</td>
<td>120</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Age of the week</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dosage(g)</td>
<td>25</td>
<td>40</td>
<td>50</td>
<td>60</td>
<td>75</td>
<td>90</td>
<td>100</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Age of the week</th>
<th>8</th>
<th>9~10</th>
<th>11~12</th>
<th>13~14</th>
<th>15~17</th>
<th>18~20</th>
<th>Lim. in Br.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dosage(g)</td>
<td>110</td>
<td>130</td>
<td>140</td>
<td>150</td>
<td>180</td>
<td>180</td>
<td>250</td>
</tr>
</tbody>
</table>

- **Caution**: Withdrawal period: Cattle, pigs ~ 5days, Chicken ~ 2days

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CY Tilmipho 200

(CY 틸미포 200)

**Medicine – Prevention and treatment**

- **Composition**: (Each 1kg Contains)
  - Tilmicosin Phosphate: 200g(Potency)

- **Characteristics**: • treatment of chronic respiratory disease and complex chronic respiratory disease (CRD, CCRD) are excellent.
  • Prevention and treatment of swine dysentery and ileitis are excellent.
  • It has a very high sensitivity and a broad-spectrum antibiotics to Gram-positive and some Gram-negative bacteria,
  • There is almost no tolerance and low toxic substance

- **Indications**: • Treatment of bacterial diseases sensitive to Tilmicosin
  - PIG: porcine pleuropneumonia, pasteurella pneumonia, mycoplasma pneumonia

- **Dosage & Administration**: • PIG: Evenly mix 1~2kg daily (200~400g/ton as Tilmicosin) of medication per 1ton and administer orally for 21 days.

- **Caution**: Withdrawal period: 7days
**Neoflor 20% oral sol**  
*(네오폴러 20%액)*

**Medication for poultry salmonellosis, colibacillosis**

- **Composition**  
  (Each 1L Contains)  
  Florfenicol ................................................................. 200g

- **Characteristics**  
  - It exerts a powerful antimicrobial effect to resistant bacteria.
  - Excellent body tissue distribution including lung tissue and has high bioavailability.
  - It is a safe formulation with no side effects, such as aplastic anemia.
  - It is water-soluble liquid, and will not clog the waterer.

- **Indications**  
  - Fowl: treatment of salmonellosis and colibacillosis
  - Pigs: prevention and treatment of porcine pleuropneumonia, pasteurella pneumonia, mycoplasma pneumonia, respiratory disease, salmonellosis, streplococcus

- **Dosage & Administration**  
  - Fowl: Dilute 0.5mL of medication with 1L of water and administer for five days.
  - Pigs: Dilute 0.5mL of medication with 1L of water and administer for five days or dilute 0.5mL of medication per 10kg bodyweight for 5 days.

- **Caution**  
  Withdrawal period: Chicken ~ 5days, Pigs ~ 16days

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**Enroxacine 20% Oral**  
*(엔로삭신 20%액)*

**Powerful liquid-type poultry synthetic antibacterial**

- **Composition**  
  (Each 1L Contains)  
  Tilmicosin Phosphate ....................................................... 200g

- **Indications**  
  - Treatment of bacterial diseases sensitive to enrofloxacin  
  - Chicken: E.coli, Mycoplasma gallisepticum, Salmonella typhimurium, Haemophilus paragallinarum

- **Dosage & Administration**

<table>
<thead>
<tr>
<th>Animal</th>
<th>Administration</th>
<th>Dosage &amp; Administration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chicken</td>
<td>Oral administration</td>
<td>Dilute 25mL of medication per 100L of water, have 50mg of enrofloxacin per 1L of daily drinking water and orally administer for 3 days (administer for 5 days for salmonellosis)</td>
</tr>
</tbody>
</table>

- **Caution**  
  Withdrawal period: Chicken ~ 5days
Anticoccidial drug and an insect repellent

- Anticoccidial drug
  Coccimuel
  Coccimuel-S

- Fly extirpator (Repellent)
  Minerabon Block
Coccimuel

Prevention and treatment for broiler chickens a coccidiosis

Composition
- Each 1L. Contains
  - Sulfadimethoxine sodium: 100g
  - Trimethoprim: 33.4g
  - Sodium salicylate: 100g
  - Menadione sodium bisulfite: 400mg

Characteristics
- This is the world's first combined prescription medication for coccidiosis treatment.
- This solution has an excellent solubility suitable for liquid administration.
- The product has been recognized for its superior efficacy in domestic clinical trials.
- It contains a prescribed component that effectively treats enterohemorrhage, pain, and fever that appear with coccidiosis and thus can be recovered quickly.
- This formula is safe even when a dosage as high as 50 times the recommended amount is administered.
- It has high reliability.
- It has short withdrawal period (7 days).

Indications
- Prevention and treatment for broiler chickens a coccidiosis

Dosage & Administration
- Dilute 0.75mL of medication per 1L of water and administer for 3 consecutive days. Give regular water for the next 2~3 days. When necessary, dilute 0.75mL of medication per 1L of water and administer for 2~3 days.
- Daily dosage for broiler chicken (daily dose per 1,000)

<table>
<thead>
<tr>
<th>Age of the week</th>
<th>1</th>
<th>7</th>
<th>14</th>
<th>21</th>
<th>28</th>
<th>35</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dose (mg/dose)</td>
<td>50</td>
<td>90</td>
<td>180</td>
<td>250</td>
<td>330</td>
<td>400</td>
<td>450</td>
</tr>
</tbody>
</table>

Caution
- Withdrawal period: 7 days

Coccimuel-S

Powerful medication for poultry coccidiosis

Composition
- Each 1L. Contains
  - Diclazuril: 5g

Characteristics
- This is a very effective remedy for coccidiosis.
- There is almost no tolerance and has a short dose-length.
- It has an excellent solubility in water, and usually does not cause waterer blockage.
- There are no side effects, and has high safety.

Indications
- Prevention and treatment of coccidiosis caused by Eacervulins of chickens (broilers)

Dosage & Administration
- Dilute 0.5mL of medication per 1L of water and administer for 2 consecutive days

Caution
- Withdrawal period: Chicken - 5 days
Minerabon Block

Trace mineral supply and fly larvae repellent supplement

- **Composition**
  - (Each 1kg Contains)
  - Tetraethylvinaphos: 10.0g
  - Sodium chloride: 561g
  - Calcium iodate: 0.25g
  - Ferrous sulfate: 6.6g
  - Zinc sulfate: 0.3g
  - Manganese sulfate: 0.65g
  - Magnesium oxide: 6.25g
  - Cupric sulfate: 0.3g
  - Cobaltous sulfate: 0.3g
  - Sodium selenite: 0.1mg

- **Characteristics**
  - This is a functional supplement that added the ingredients to kill fly larvae to the existing mineral supplement.
  - (Summer time mineral supply and fly suppression supplement)
  - Suppressing flies with feces, fundamentally exterminating flies.
  - It is more effective when used in combination with regular insecticide sprays.
  - The product has been permitted by the US FDA and EPA, and it is not harmful to animals.

- **Indications**
  - Relief of fly larvae, supplying salts and inorganic substances to cows, goats, sheep, deer and etc. (iodine, iron, zinc, manganese, copper, cobalt, selenium, sodium, calcium).

- **Dosage & Administration**
  - Install in a place suitable for the animals to lick easily and let them freely intake.

- **Caution**
  - Withdrawal period: None
feed additive & nutrients

- Nutrient feed additive
  Cow-Mix
  Neovita-Rincal
  Buffer Milk

- Water-soluble and liquid nutrients
  Vita Rich

- Block Supplements
  Mineral Block

- Probiotics, Enzymes, and Yeast
  Labzyme
  BioSB-Gold

- Functional supplementary feeding
Cow-Mix

Health supplements for dairy cows and beef cattle

- **Composition**
  - (Each 1kg Contains)
    - Vitamin A: 2,500,000IU
    - Vitamin D3: 500,000IU
    - Vitamin E: 1,000IU
    - Manganese: 4,000mg
    - Iron: 5,000mg
    - Zinc: 1,500mg
    - Copper: 375mg
    - Iodine: 140mg
    - Cobalt: 100mg
    - Magnesium: 3,000mg

- **Characteristics**
  - Easy ingestion with pellet formulation, and there is no loss.
  - It prevents growth retardation such as rickets and osteomalacia, prevents loss due to breeding failure, and it has effects in increasing the flow rate, milk fat, improving the second-class milk, and preventing ketosis.

- **Indications**
  - Livestock growth promotion, feed efficiency, improving fattening and milking, enhancing anti-disease power, preventing abnormal milk, parturient palseysis, stress, and osteomalacia.

- **Dosage & Administration**

<table>
<thead>
<tr>
<th>Indications</th>
<th>Administration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facilitate Growth</td>
<td>Cow, Foal (1~3 month)</td>
</tr>
<tr>
<td>Improved feed efficiency</td>
<td>Cow in Calf (horse), milk cow (horse)</td>
</tr>
<tr>
<td></td>
<td>Beef cattle</td>
</tr>
<tr>
<td></td>
<td>administered by mixing in ratio of drug 6g</td>
</tr>
<tr>
<td></td>
<td>2~3g per 1kg of feed</td>
</tr>
<tr>
<td></td>
<td>anti-disease enhancement, stress prevention, disease and abnormal milk prevention, parturient palseysis and osteomalacia prevention</td>
</tr>
<tr>
<td></td>
<td>administered by mixing in ratio of drug 4~15g per 1kg of feed (2 times formula feed)</td>
</tr>
</tbody>
</table>
Neovita-Rincal

**Multi vitamin, minerals, calcium phosphate formula**

- **Composition**
  - (Each 1kg Contains)
  - Vitamin A: 1,800,000IU
  - Phosphorus: 100g
  - Sodium: 30g
  - Iron: 3g
  - Manganese: 60mg
  - Vitamin D3: 36,000IU
  - Calcium: 320g
  - Potassium: 300mg
  - Magnesium: 600mg

- **Characteristics**
  - There are powder and pellet type.
  - Palatability and utilization is excellent.
  - Phosphorus, calcium, vitamins and minerals have been prescribed in balance.
  - It prevents rickets, osteomalacia, and growth retardation, loss of milk and reproductive disorders, and solves the problems related to mineral deficiency.

- **Indications**
  - Supplying vitamin A, vitamin D3, and minerals, and prevention of the consequent deficiency.

- **Dosage & Administration**
  - Evenly mix 0.4 to 0.6% in cattle feed for administration. (Ratio of drug 4 ~ 6g per 1kg of feed)

Buffer Milk

**Multivitamin, mineral, buffering agent**

- **Composition**
  - (Each 1kg Contains)
  - Sodium bicarbonate: 300g
  - Vitamin A: 250,000IU
  - Vitamin E: 100mg
  - Vitamin B1: 100mg
  - Manganese: 2,700mg
  - Zinc: 1,000mg
  - Iodine: 50mg
  - Sodium chloride: 10g
  - Magnesium oxide: 150g
  - Vitamin D3: 50,000 IU
  - Iron: 3,000mg
  - Copper: 270mg
  - Cobalt: 5mg

- **Characteristics**
  - The excellent buffering effect sodium bicarbonate and magnesium oxide have been ideally prescribed in combination.
  - Sodium bicarbonate and magnesium oxide prescribed in combination prevents the degradation of blood magnesium level due to the addition of sodium bicarbonate alone.
  - When used in early lactation period, milk fat and flow rate increase is even more enhanced.
  - It maintains the normal pH and the balance of microbial flora.

- **Indications**
  - Cattle: Improved fat and flow, Urolith prevention
  - Prevents acidosis, improves digestibility, promotes growth and appetite
  - Improvement of the physical condition by mineral supply

- **Dosage & Administration**
  - Adult cow (500kg basis): 150 ~ 400g per capita is administered by mixing the feed.
Vita Rich
Swine Poultry Health Supplements

**Composition**
(Each 1kg Contains)
- Vitamin A: 6,000,000 IU
- Vitamin B₆: 100mg
- Vitamin D₃: 2,000,000 IU
- Vitamin B₁₂: 2,000μg
- Vitamin E: 3,000 IU
- Vitamin H: 10mg
- Vitamin C: 10mg
- Nicotinamide: 5,000mg
- Vitamin K₃: 1,000mg
- Calcium pantothenate: 5,000mg
- DL-Methionine: 1,000mg
- Vitamin B₂: 5,000mg
- L-lysine: 2,000mg
- Vitamin B₈: 1,000mg
- Choline bitartrate: 30,000mg

**Characteristics**
- Excellent solubility facilitates oral liquid administration.
- Poultry and swine health promotion and growth-promoting effects are excellent.
- It increases disease-fighting ability and enhances productivity.
- Prevention and treatment of various vitamins and amino acids deficiency are excellent.

**Indications**
- Chicken: spawn enhancement, growth promotion, feed efficiency, stress and various disease prevention, treatment and prevention of vitamin deficiency.
- Cattle, pigs: Anti-stress, skin diseases, osteomalacia, rickets prevention

**Dosage & Administration**
- Chicken: daily dosage per 1000 (gm)
  
<table>
<thead>
<tr>
<th>Age of the week</th>
<th>2weeks</th>
<th>3weeks</th>
<th>4weeks</th>
<th>5weeks</th>
<th>6weeks</th>
<th>More than 6 weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dosage</td>
<td>5</td>
<td>7~8</td>
<td>10</td>
<td>20</td>
<td>40</td>
<td>50</td>
</tr>
</tbody>
</table>

- Pigs: daily dosage for 10 per capita (gm)
  
<table>
<thead>
<tr>
<th>A pig</th>
<th>growing pig</th>
<th>A fully growing pig</th>
<th>A breeding pig</th>
</tr>
</thead>
<tbody>
<tr>
<td>5~10</td>
<td>10~20</td>
<td>20~40</td>
<td>50~100</td>
</tr>
</tbody>
</table>

- Cattle: daily dosage for 10 per capita
  
<table>
<thead>
<tr>
<th>Calf</th>
<th>Milk Cow</th>
<th>Beef Cow</th>
</tr>
</thead>
<tbody>
<tr>
<td>20~40</td>
<td>100~200</td>
<td>60~100</td>
</tr>
</tbody>
</table>
**Mineral Block**

Trace minerals and salt supplement

- **Composition**
  - (Each 1kg Contains)
  - Iodine: 150mg
  - Sulphur: 4,000 mg
  - Iron: 2,000mg
  - Nickel: 50mg
  - Magnesium oxide: 3,000mg
  - Selenium: 40 µg
  - Manganese: 200mg
  - Cobalt: 100mg
  - Zinc: 100mg
  - Copper: 100mg
  - Calcium: 2,000mg
  - Sodium chloride: q.s.

- **Characteristics**
  - The content of various minerals is extremely high compared to other products.
  - Preference is excellent.

- **Indications**
  - Salts and inorganic substances (iodine, manganese, cobalt, iron, zinc, copper, magnesium, sodium, phosphorus, calcium) are supplied to cattle.

- **Dosage & Administration**
  - Install in a place suitable for the animals to lick easily and let them freely intake 20~90g daily per capita.

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**Labazyme**

Mixed live enzymes

- **Composition**
  - (Each 1kg Contains)
  - Lactobacillus acidophilus: Not Less than 2.75x 10^10 CFU
  - Streptococcus faecium: Not Less than 8.75x 10^10 CFU
  - Bacillus subtilis: Not Less than 1.1x 10^10 CFU
  - Protease: Not Less than 2,750 CU
  - Amylase: Not Less than 5,500 SLU
  - Cellulase: Not Less than 27.5 FPU

- **Characteristics**
  - Proper intestinal flora of livestock is established to promote growth, feed efficiency, and effectiveness of anti-diarrhea.
  - Live bacteria such as lactic acid bacteria and hay bacillus competitively inhibit colony formation of harmful pathogenic bacteria (salmonella, E. coli, etc.).
  - It contains three kinds of excellent lactic acid bacteria digestive enzymes, thus has an excellent growth-promoting effects and diarrhea prevention.

- **Indications**
  - For calves, pigs, and fowl,
    - prevention and treatment of diarrhea
    - promote growth, weight gain
    - inhibit growth of intestinal pathogenic bacteria
    - inhibit antibiotic-resistant pathogens
    - remove odor of livestock manure

- **Dosage & Administration**
  - Administer feed by evenly mixing the following dose.
    - Milk cows and beef cattle: 2kg per ton of feed
    - Pigs: 2kg per ton of feed
    - Chicken: 0.5kg per ton of feed
BioSB-Gold

Highly-enriched complex live yeast, probiotics

Composition
(Each 1kg Contains)
Saccharomyces cerevisiae —— Not less than $3.0 \times 10^{11}$ CFU
Bacillus subtilis ———— Not less than $4.0 \times 10^8$ CFU
Biomass Metabolites ———— q.s.

Characteristics
• This is an yeast culture agent that contains large amount of
  Bacillus subtilis of the existing yeast culture,
• It contains general nutrients (protein, fat, vitamins, amino acids,
  etc.) as well as UGF, which has an excellent growth-promoting
  effects of livestock.
• It improves feces condition by inhibiting the production of
  intestinal ammonia gas in the livestock, decreases odor, and
  enhances the breeding environment. When added to feed, it
  increases the palatability.

Indications

<table>
<thead>
<tr>
<th>Target animal</th>
<th>By stage of growth</th>
<th>Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fowl</td>
<td>Chick, laying hens, broilers</td>
<td>promote growth, increase egg production, livestock fecal odor removal</td>
</tr>
<tr>
<td>Pig</td>
<td>Piglets, growing pigs, finishing pigs, sows</td>
<td>promote growth, promote digestion, improve growth rate, remove fecal odor</td>
</tr>
<tr>
<td>Cattle</td>
<td>Calves, beef cattle, milking cow</td>
<td>growth-promoting, improving milk quality and meat quality, feed efficiency, increase flow, removes odor, diarrhea prevention</td>
</tr>
</tbody>
</table>

Dosage & Administration

<table>
<thead>
<tr>
<th>Species</th>
<th>Division</th>
<th>Amount of addition per ton of feed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dairy</td>
<td>Calves, Dry period, Milking period</td>
<td>1~2kg, 1kg, 1kg</td>
</tr>
<tr>
<td></td>
<td>Beef cattle, Adult cow</td>
<td>1~2kg, 1kg, 1kg</td>
</tr>
<tr>
<td>Fattening cattle</td>
<td>Calves, Beef cattle, Adult cow</td>
<td>1~2kg, 1kg, 1kg</td>
</tr>
<tr>
<td>Pig</td>
<td>Piglets, Foster, pigs, Sow, pig husbandry</td>
<td>1<del>2kg, 1</del>2kg, 1kg</td>
</tr>
<tr>
<td>Chicken</td>
<td>Broiler, Layng</td>
<td>1<del>2kg, 1</del>2kg</td>
</tr>
</tbody>
</table>
For Fishery Products

Antibiotic, Antimicrobial
Parasites extirpator/Repellent
Feed additive & Nutrients
Probiotics, Enzymes, and Yeast
Antibiotic, antimicrobial

Aqua Amocillin
Aqualera
**Aqua Amocillin**

**Extensive penicillin antibiotics for fish**

- **Composition**
  
  (Each 1kg Contains)
  
  Amoxicillin trihydrate ........................................ 200g (Potency)

- **Characteristics**

  • is a broad-spectrum antibiotics for Gram-positive and Gram-negative bacteria.
  
  • It is the most cost-effective disease for Pasteurella piscicida and furunculosis prevention.

- **Indications**

<table>
<thead>
<tr>
<th>Target animal</th>
<th>Effects</th>
<th>Indication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow tail</td>
<td>Prevention and treatment of amoxicillin-sensitive diseases</td>
<td>Pasteurella piscicida and furunculosis prevention, mortality rate improvement</td>
</tr>
</tbody>
</table>

- **Dosage & Administration**

<table>
<thead>
<tr>
<th>Target animal</th>
<th>Methods</th>
<th>Dosage and administration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow tail</td>
<td>Oral intake</td>
<td>Daily intake of 100-200g of medication per ton mix in feed 1<del>2 times per day and administer for 4</del>7 consecutive days</td>
</tr>
</tbody>
</table>

- **Caution**

  Withdrawal period: Yellow tail ~ 7 days.

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**Aquatera**

**This is a broad-spectrum antibiotics prevention and treatment**

- **Composition**

  (Each 1kg/1L Contains)
  
  Oxytetracycline HCl ........................................... 240g

- **Characteristics**

  • An extensive antibiotic that is very effective for gram-positive and gram-negative bacteria.
  
  • It is water-soluble, and thus can be taken orally and used for baths.
  
  • It is the most cost-effective disease prevention (cleaning agent) for fish.

- **Indications**

  Treatment and mortality rate reduction for the following fish diseases caused by oxytetracycline-sensitive bacteria.

<table>
<thead>
<tr>
<th>Target fish</th>
<th>Indication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow tail</td>
<td><em>Vibrio anguillarum</em></td>
</tr>
<tr>
<td>Trout</td>
<td><em>Haemophilus sp</em>, <em>Aeromonas salmonicida</em>, <em>Aeromonas sp.</em>, etc.</td>
</tr>
<tr>
<td>Eel</td>
<td><em>Edwardsiella tarda</em></td>
</tr>
<tr>
<td>Carp</td>
<td><em>Haemophilus sp</em>, <em>Aeromonas sp.</em>, <em>Flexibacter columnaris</em></td>
</tr>
<tr>
<td>Goldfish</td>
<td><em>Haemophilus sp</em>, <em>Flexibacter columnaris</em></td>
</tr>
<tr>
<td>Halibut</td>
<td><em>Streptococcus sp.</em></td>
</tr>
</tbody>
</table>

- **Dosage & Administration**

  • Oral administration: evenly mix 210g of the product in feed per ton a day.
  
  • For baths: dilute 5~25ppm (liter) of oxytetracycline in water and bath for 30~60 minutes (20~105 g of the product per 1 ton of water).

- **Caution**

  Withdrawal period: Yellow tail ~ 20 days
  
  Eel, Porgy, Trout, Carp ~ 30 days
  
  Halibut ~ 40 days
Parasites extirpator/repellent

Aquaprantel
### Composition
(Each 1kg Contains)
- Praziquantel: 500g

### Characteristics
- This drug contains a high concentration (50%) of praziquantel, which was identified as highly efficient and low toxic substance in a study that compared the effects of different pesticides.
- It is especially effective for gill distomias and skin distomias that are fatal to fish.
- It resolves the stress caused by drug administration.
- It is also suitable for other drug-resistant parasitic infections.

### Indications
- Parasiticide for the parasites (hikes, trichuridae) in aquarium fish (gold fish, goldfish, tropical fish, Astronotus)
- Gill distomias treatment for Jacopever (Rockfish)

### Dosage & Administration
- **Aquarium fish**
  - Oral administration: Mix 300mg of the product in 100g of feed and administer orally for twice a day for 5 days.
  - For baths: dissolve 40mg of the product into 1L of water and bath for 2 hours. Re-bath after 2 weeks.
- **Jacopever (Rockfish)**
  - Oral administration: mix 0.2 ~ 0.4g of the product per kg of fish bodyweight in feed, orally administer 1~3 times every other day.
  - For baths: dissolve 0.1 ~ 0.2g of the product into 1L of water and bath the subject fish for 4 minutes.

### Caution
- Withdrawal period: rockfish – 10 days
Liver function improvement and immune enhancement

Aqua Gluton
Aqua Liveronic
Aqua Gluton

Complex liver function improving agent

- **Composition** (Each 1kg Contains)
  - Glutathione: 20g
  - DL-Methionine: 300g

- **Characteristics**
  - Dietary liver dysfunction enhancer for farmed fish.
  - Complex liver function enhancer containing more than 2.0% of glutathione and more than 30% of methionine, the amino acid.
  - It is effective in fat metabolism disorder prevention and treatment, and increases the survival rate, improves disease-fighting ability and growth rate.

- **Indications**
  - Prevention and treatment of ceroid symptoms caused by deteriorated feed and improving liver function of farmed fish including halibut, yellowtail, carp, and leather carp.

- **Dosage & Administration**
  - Mix 0.5 ~ 1kg of the product per a ton of feed and administer for more than 7 days. Or add 0.25 ~ 0.5kg of the product per a ton of fish body weight and orally administer for more than 7 days.

Aqua Livertonic

Liver function enhancer by preventing hepatocellular injury

- **Composition** (Each 1kg Contains)
  - Glutathione: 20g

- **Characteristics**
  - Dietary liver dysfunction enhancer for farmed fish
  - It is effective in fat metabolism disorder prevention and treatment, effective in increasing survival rate, growth rate, and disease-fighting ability

- **Indications**
  - Liver function improvement, prevention and treatment of ceroid symptoms caused by deteriorated feed for farmed fish including halibut, yellowtail, carp, and leather carp

- **Dosage & Administration**
  - Mix 0.5 ~ 1kg of the product per a ton of feed and administer for more than 7 days. Or add 0.25 ~ 0.5kg of the product per a ton of fish body weight and orally administer more than 7 days.
Nutrients

Bio-C for Fish
Bio-C for Fish
(수산용바이오-씨)
Stabilized Vitamin-C coated with natural vegetable oil

**Composition**
(Each 1kg Contains)
Vitamin-C (Ascorbic acid) ~ 200g

**Characteristics**
- This will enhance the immune system of fish.
- It increases productivity by enhancing digestibility.
- It reduces the toxicity of organic compounds.
- Prevention and treatment of vitamin C deficiency in fish

**Indications**
Prevention and treatment of vitamin C deficiency in farmed fish

**Dosage & Administration**
Administer by evenly mixing the following dose in a ton of feed

<table>
<thead>
<tr>
<th>fish species</th>
<th>Administration in a ton of feed</th>
</tr>
</thead>
<tbody>
<tr>
<td>shrimp</td>
<td>1.0 ~ 1.5kg</td>
</tr>
<tr>
<td>salmon</td>
<td>0.5 ~ 1.0kg</td>
</tr>
<tr>
<td>trout</td>
<td>1.0 ~ 1.5kg</td>
</tr>
</tbody>
</table>
BioSB-Gold

Active yeast • Probiotics

- Composition
  (Each 1kg Contains)
  Saccharomyces cerevisiae Not less than 3.0 x 10^11 CFU
  Bacillus subtilis Not less than 4.0 x 10^9 CFU
  Biomass Metabolites

- Characteristics
  • The growth-promoting effect in fish is excellent.
  • It is effective in improving digestibility and feed efficiency.
  • The yeast extract developed in the United States is used, and the bioavailability is high.
  • Addition of yeast culture improves immune function and disease prevention by its immune-enhancing substances such as beta-glucan and mannannigosaccharides.

- Indications
  Growth promotion, digestion promotion, and feed efficiency improvement

- Dosage & Administration
  Evenly mix 1 ~ 5kg in a ton of feed and administer.

Labazyme

Mixed live enzymes

- Composition
  (Each 1kg Contains)
  Lactobacillus acidophilus Not less than 2.75 x 10^10 CFU
  Streptococcus faecium Not less than 8.25 x 10^9 CFU
  Bacillus subtilis Not less than 1.1 x 10^9 CFU
  Protease Not less than 2,750 CSU
  Amylase Not less than 5,500 SLU
  Cellulase Not less than 27.5 FPUs

- Characteristics
  • Fish growth promotion and feed efficiency improvement are outstanding.
  • It enhances disease prevention and immune function.
  • It prevents reduced feed intake caused by stress.
  • It improves water quality.

- Indications
  Digestion promotion, feed efficiency improvement, and mortality rate reduction

- Dosage & Administration
  Evenly mix 0.5 ~ 2.5kg per a ton of feed and administer.