Antennae/Antennule Related Signs

Discoloration

Pleopod Abnormalities

Uropod Abnormalities

Eye Abnormalities

Shell/Exoskeleton Abnormalities

Gill Abnormalities

Rostrum Abnormalities

Abnormalities in the Abdominal Region

Tail/Telson Abnormalities

Other Abnormalities on Shrimp Body

Growth Abnormalities

Abnormalities in Swimming Behaviour

Abnormalities in Feeding Habits

Other Behavioural Abnormalities

PANCREAS RELATED Abnormalities

HEART MUSCLE abnormalities

Stomach Abnormalities

GUT RELATED Abnormalities

Abnormalities in Faecal matter

**Antennae/Antennule**

1. Antennae Cut
2. Antennule Cut
3. Necrosis of antennules tip
4. Brittle antennae
5. Necrotic tip of antennae

**Discoloration**

1. Red/Pink coloration of chelated legs
2. Red/pink coloration of walking legs
3. Reddening/pinkish appearance of body as a whole
4. Darkened body
5. Colour Bleaching/pale appearance
6. Bright yellow markings on body
7. Melanisation of the whole body
8. Brownish discoloration of shrimp
9. Yellowing of cephalothorax
10. Redness of cephalothorax
11. Melanisation of cephalothorax

**Pleopod**

1. Pink/red discoloration of pleopods
2. Fouling of pleopods
3. Darkened edges of pleopods
4. Loss/erosion of pleopods
5. Fuzzy mat-like appearance of pleopods

**Uropod**

1. Reddening of Uropods
2. Fouling of uropod
3. Degeneration of Uropod
4. Darkened edges of uropods
5. Loss/erosion of uropod

**Eyes**

1. Necrosis of eye stalk
2. Eye damage
3. Eyeball turns brown

**Shell/Exoskeleton**

1. White spot (rosette-like) on carapace
2. Loose shell with space between shell and muscle
3. Fouling of exoskeleton
4. Exoskeleton turn grey to dark blue-black
5. Localized lesions on exoskeleton
6. Occasional white spots on exoskeleton
7. Soft shell
8. Melanised cuticular lesions on exoskeleton
9. Browning/blackening of exoskeleton
10. Soft papery/leathery carapace
11. Blisters on the exoskeleton

**Gills**

1. Gill necrosis
2. Darkened Gills
3. Gills turn white/yellow/brown
4. Gill fouling
5. Reddening of gills
6. Fuzzy mat-like appearance of gills
7. Accumulation of detritus in gills
8. Black coloration of gills

**Rostrum**

1. Bent rostrum
2. Rostrum deformed to one side

**Abdomen**

1. White spot on epidermis (junction of abdominal plates)
2. Bamboo-shaped abdomen
3. Necrotic distal abdominal segment
4. Enlarged abdominal segment
5. Abdomen turns milky white
6. Bent abdominal segments
7. Opacity of abdominal muscle
8. Cloudy abdominal musculature
9. White patches on abdominal muscle
10. Spongy abdomen
11. Flaccid abdominal muscle

**Tail/Telson**

1. Opacity of tail muscle
2. Reddening of telson
3. Necrotic telson
4. Degeneration of telson
5. Discoloration of telson
6. White appearance of tail fan

**Other**

1. Mottled appearance
2. Fouling of whole body
3. Floating moults on water surface
4. Death during moulting
5. Luminescence
6. Loss/erosion of appendages
7. Fuzzy mat-like appearance of the whole body
8. Outward growth of fungal filaments from the body
9. White necrotic areas in muscle