**ERYSIPELAS**

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<th>ANIMAL GROUP AFFECTED</th>
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<td>Cebidae, Cercopithecidae, Prosimiae</td>
<td>Direct or indirect contact</td>
<td>Depression, respiratory symptoms, peracute death</td>
<td>Yes</td>
<td>Ampicillin</td>
<td>In houses Vaccination in zoos vaccination</td>
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Susceptible animal groups Cebidae, Cercopithecidae, Prosimiae.

Causative organism *Erysipelothrix insidiosa* (*rhusiopathiae*) (Corynebacteriaceae) with 26 serotypes.

Zoonotic potential Yes.

Distribution World-wide.

Transmission Direct or indirect contact. *E. insidiosa* infects naturally pigs, mice, birds, fish, etc. The agent can persist in the environment for long periods and survive in marine conditions. Transmission to nonhuman primates has been related to contact to avian species, especially raptors, or to contamination of climbing structures by bird droppings.

Incubation period 5-6 days in experimentally infected mice.

Clinical symptoms Depression, respiratory symptoms, peracute death. In man: erysipeloid, diffuse cutaneous forms, sepsicaemia and/or endocarditis.

Post mortem findings Gastrointestinal haemorrhages, myocarditis, interstitial pneumonia, hepatomegaly, encephalitis.

Diagnosis Cultivation, PCR, immunofluorescence. API Coryne system (bio Merieux).

Material required for laboratory analysis Altered tissues or aspirates.

Relevant diagnostic laboratories Local veterinary laboratories.

Treatment Ampicillin (only temporary success!), penicillin, cephalosporins, clindamycin. Most strains are resistant to aminoglycosides, trimethoprim-sulfamethoxazole, polymixiins, streptomycin and sulfonamides.

Prevention and control in zoos Vaccination with porcine *E. insidiosa*-vaccine.

Suggested disinfectant for housing facilities

Notification

Guarantees required under EU Legislation

Guarantees required by EAZA Zoos
### Measures required under the Animal Disease Surveillance Plan

### Measures required for introducing animals from non-approved sources

### Measures to be taken in case of disease outbreak or positive laboratory findings

### Conditions for restoring disease-free status after an outbreak

### Contacts for further information

### References