### EXOGENOUS SIMIAN TYPE D RETROVIRUSES (SRV-1 and 2)

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<th>ANIMAL GROUP AFFECTED</th>
<th>TRANSMISSION</th>
<th>CLINICAL SIGNS</th>
<th>FATAL DISEASE?</th>
<th>TREATMENT &amp; CONTROL</th>
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<tr>
<td>Macaques</td>
<td>Contact (diaplacentally?)</td>
<td>Generalised lymphadenopathy, wasting, anaemia, lymphopenia, diarrhoea, malignant lymphomas</td>
<td>Yes</td>
<td>In houses in zoos</td>
</tr>
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</table>

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**Susceptible animal groups**
Macaques.

**Causative organism**
Simian retroviruses (SRV) 1 and 2 (Type D-retroviruses).

**Zoonotic potential**
None.

**Distribution**
Naturally: Asia; in captivity World-wide.

**Transmission**
Contact, possibly diaplacentally.

**Incubation period**

**Clinical symptoms**
Generalised lymphadenopathy, neutro-and lymphopenia, wasting, anaemia, diarrhoea. In SRV 1 malignant lymphomas, in SRV 2 abdominal fibromatosis, subcutaneous fibrosarcomas and noma reported.

**Post mortem findings**
SRV 1: hyperplastic lymphoid follicles in early phases, later changing to follicular atrophy in final stages, occasionally fibrosarcomas, polymyositis.
SRV 2: retroperitoneal fibromatosis, subcutaneous fibrosarcomas, nonsuppurative enteritis, sialoadenitis, myositis.

**Diagnosis**
Virology: PCR, immunohistochemistry.

**Material required for laboratory analysis**

**Relevant diagnostic laboratories**
Virus Reference Laboratories, Inc.
7540 Louis Pasteur Road
SAN ANTONIO, Tx. 78229 /USA
Phone: (210) 614 – 7350
Fax: (210) 614 – 7355

German Primate Center,
Kellnerweg 4
D 37077 Göttingen/Germany
Phone: 49 (0)551 38510
Fax: 49 (0)551 3851 227
## Treatment

### Prevention and control in zoos

### 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

### Experts who may be consulted

**Prof. Dr. G. Hunsmann, German Primate Center, Göttingen/Germany**

### References