



**SA 8**

ANIMAL GROUP AFFECTED	TRANSMISSION	CLINICAL SIGNS	FATAL DISEASE ?	TREATMENT	PREVENTION & CONTROL
Baboons, <i>Cercopithecus aethiops</i>	Venerally	Genital ulcers and papilloma-like lesions, scarring of vulva/ perineum, oral/ perioral papules or vesicles, in infants pneumonia	Only in infant baboons		<i>In houses</i>  <i>in zoos</i>

<b>Fact sheet compiled by</b> Manfred Brack, formerly German Primate Center, Göttingen/Germany.	<b>Last update</b> March 2002
<b>Fact sheet reviewed by</b> W. Rietschel, Wilhelma Zoologischer-Botanischer Garten, Stuttgart, Germany C. Furley, Howletts Zoo, Bekesbourne, United Kingdom	
<b>Susceptible animal groups</b> Baboons, <i>Cercopithecus</i> spp.	
<b>Causative organism</b> SA 8 (Cercopithecine herpesvirus 2, <i>Herpesvirus papio 2</i> ). Genetically related to bovine herpesvirus type 2, serological cross reactions with <i>H.simiae</i> .	
<b>Zoonotic potential</b> No.	
<b>Distribution</b> Natural distribution: Africa, in captivity World – wide.	
<b>Transmission</b> Venereally. Isolation of SA 8 from trigeminal ganglia suggests latent infection from the CNS similar to other alpha-herpesviruses.	
<b>Incubation period</b>	
<b>Clinical symptoms</b> Genital ulcers and papilloma – like lesions and scarrings of the genital systems result in poor breeding results. Occasionally gingivitis, in infant baboons pneumonia.	
<b>Post mortem findings</b> Like clinical symptoms.	
<b>Diagnosis</b> For Virology: cell cultures (VERO, WI 38, BKC) for Serology: neutralisation, immunofluorescence, radioimmunoassays.	
<b>Material required for laboratory analysis</b> Material from the lesions, whole blood or serum.	
<b>Relevant diagnostic laboratories</b> 1. Southwest Foundation for Biomedical Research, San Antonio/ Tx/ USA; 2. Virus Reference Laboratories Inc., 7540 Louis Pasteur Road, SAN ANTONIO, Tx 78229 Phone: (210) 614 – 7350 Fax: (210) 614 - 7355	
<b>Treatment</b> None suggested.	
<b>Prevention and control in zoos</b>	



<b>Suggested disinfectant for housing facilities</b> Lipid solvents, soap, UV-light, heat.
<b>Notification</b>
<b>Guarantees required under EU Legislation</b>
<b>Guarantees required by EAZA Zoos</b>
<b>Measures required under the Animal Disease Surveillance Plan</b>
<b>Measures required for introducing animals from non-approved sources</b>
<b>Measures to be taken in case of disease outbreak or positive laboratory findings</b>
<b>Conditions for restoring disease-free status after an outbreak</b>
<b>Experts who may be consulted</b> S. S. Kalter and R.L.Heberling, Virus Reference Laboratories, Inc., San Antonio/Texas
<b>References</b> <ol style="list-style-type: none"><li>1. Borchers, K., M. Özel, G. Pauli, H. R. Gelderblom, and H. Ludwig. 1990. Conserved epitopes of simian herpesvirus SA 8 and bovine herpesvirus type 2 . Arch. Virol. 111: 1 – 14 1990.</li><li>2. Borchers, K., W. Weigelt, H. – J. Bukh, H. Ludwig, and J. Mankertz. 1991. Conserved domains of glycoproteins B (gB) of the monkey virus, simian agent 8, identified by comparison with herpesvirus gB's. J. Gen. Virol. 72: 2299 – 2304.</li><li>3. Eberle, R., and D. Black. 1991. The simian herpesvirus SA 8 homologue of the herpes simplex virus gB gene: mapping, sequency , and comparison to the HSVgB. Arch. Virol. 118. 67 – 86.</li><li>4. Eberle, R., D. H. Black, E. L. Blewett, and G. L. White. 1997 Prevalence of <i>Herpesvirus papio 2</i> in baboons and identification of immunogenic viral polypeptides. Lab. Anim. Sci. 47: 256 – 262.</li><li>5. Eberle, R., D. Black, T. W. Lehenbauer, and G. L. White. 1998. Shedding and transmission of Baboon <i>Herpesvirus papio 2</i> (HPV 2) in a breeding colony. Lab. Anim. Sci. 48: 23 – 28.</li><li>6. Hilliard, J. K., D. Black, and R. Eberle. 1989. Simian alphaherpesviruses and their relation to the human herpes simplex viruses. Arch. Virol. 109: 83 – 102.</li><li>7. Levin, J. L. , J. K. Hilliard, C. A. Gleiser, T. M. Butler and W. J. Goodwin. 1986. An outbreak of genital and oral lesions caused by simian agent 8 in baboons. Lab. Anim. Sci. 36: 551.</li><li>8. Levin, J. L. , J. K. Hilliard, and S. L. Lipper. 1988. Serological analysis of baboons for simian agent (SA 8). Lab. Anim. Sci. 38: 491.</li><li>9. Levin., J. L., J. K. Hilliard, S. L. Lipper, T. M. Butler, and W. J. Goodwin. 1988. A naturally occurring epizootic of simian agent 8 in the baboon., Lab. Anim. Sci. 38: 394 – 397.</li><li>10. Martino, M. A., G. B. Hubbard, T. M. Butler, and J. K. Hilliard. 1998. Clinical disease associated with simian agent 8 infection in the baboon. Lab. Anim. Sci. 48: 18 – 22.</li><li>11. Singleton, W. L., C. B. Smikle, G. D. Hankins, G. B. Hubbard, W. J. Ehler, and K. B. Brasky. 1994. Reconstructive vaginal surgery in the female baboon (<i>Papio</i> sp.) with simian agent 8. Contemp. Top. Lab. Anim. Sci. 33: A 11.</li></ol>