

## CRYPTOSPORIDIOSIS

ANIMAL GROUP AFFECTED	TRANSMISSION	CLINICAL SIGNS	FATAL DISEASE ?	TREATMENT	PREVENTION & CONTROL
<i>Gorilla g. beringei</i> Cercopithecidae, Cebidae, Prosimiae	perorally	diarrhea			<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> 22.11.2008
<b>Susceptible animal groups</b> <i>Gorilla g. beringei</i> , <i>Macaca mulatta</i> , <i>M. Nemestrina</i> , <i>M. Fascicularis</i> , <i>Cercopithecus aethiops</i> , <i>C. Campbelli</i> , <i>Erythrocebus patas</i> , <i>Cercocebus torquatus</i> , <i>Ateles belzebuth</i> , <i>Lemur macaco mayottensis</i> , <i>Tupaia tana</i> , <i>T. minor</i> .	
<b>Causative organism</b> <i>Cryptosporidium parvum</i> , <i>C. muris</i> , <i>C. rhesi</i> . <i>C. parvum</i> in 2 genotypes in man, genotype 2 also in mountain gorillas habituated to man.	
<b>Zoonotic potential</b> Yes, particularly in immunocompromized patients.	
<b>Distribution</b> World - wide	
<b>Transmission</b> Perorally ( faeco-orally, water contaminated by bovine faeces), direct contact.	
<b>Incubation period</b> In man: < 3 weeks.	
<b>Clinical symptoms</b> In juvenile or immunodeficient nonhuman primates : intermittent to chronic nausea and / or watery diarrhea ( usually self – limiting ), abdominal pain.	
<b>Post mortem findings</b> Neutrophilic enteritis of the distal small intestines, thickening and flattening of villi, necrosis and sloughing of enterocytes.	
<b>Diagnosis</b> Light microscopy (Iron haematoxylin- or Ziehl – Neelsen staining), enzyme immunoassays (IFA, EIA), PCR.	
<b>Material required for laboratory analysis</b> Intestinal mucous membranes (Necropsy, biopsy), fresh or formalin – ether preserved / concentrated stool samples.	
<b>Relevant diagnostic laboratories</b> Local medical or veterinary laboratories.	
<b>Treatment</b> Unknown.	
<b>Prevention and control in zoos</b>	
<b>Suggested disinfectant for housing facilities</b> Boiling water.	
<b>Notification</b>	
<b>Guarantees required under EU Legislation</b>	
<b>Guarantees required by EAZA Zoos</b>	

**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****References**

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