

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>

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