

CALIFORNIA ANIMAL HEALTH & FOOD SAFETY LAB SYSTEM

Exotic Newcastle Disease (END) Fact Sheet

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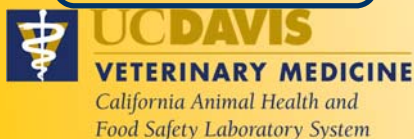
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Web Sites:

www.cahfs.ucdavis.edu
www.cdffa.ca.gov/ahfss

State Bird Hotline:

866-922-2473



END Affects:

- Most species of birds, both domestic and wild
- Chickens and turkeys most susceptible

Animal Transmission:

- Direct contact with feces and respiratory discharges
- Environmental contamination
 - Feed, water, equipment
 - Human clothing/shoes



END Clinical Signs May Include:

- Edema of head, especially around eyes; nasal discharges
- Greenish-dark watery diarrhea
- Depression, respiratory and neurological signs
- Drop in egg production, misshapen eggs

END Sampling:

- Sick or dead bird(s); tissues (lung, spleen, brain)
- Tracheal/pharyngeal swabs, preferred
- Cloacal swabs

END Surveillance Testing:

- Real-time PCR: same day results
 - Can differentiate exotic from endemic virus
- Virus isolation 2-12 days
- Sick bird(s) from back-yard/small flocks are tested free of charge

END Control & Eradication:

- Immediately report suspected cases to state/federal officials
http://www.cdffa.ca.gov/ahfss/Animal_Health/pdfs/addresss_and_map_for_Districts.pdf
- Cleaning and disinfection of premises
- Delay re-introduction of new birds for 30 days
- Biosecurity: Limit human/equipment traffic
- Control insects and rodents

Samples are accepted at all CAHFS laboratories. Submission forms are available on our web site, www.cahfs.ucdavis.edu, or at any laboratory.