Report of the National Reference Laboratory for Trichinellosis (Germany, 2008)

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Human trichinellosis (Germany, 2008)

- reportable disease in humans (Infektionsschutzgesetz)
  - 1 reported human case in 2008 (BAY), imported case, source unknown

![Graph showing the number of cases of human trichinellosis from 2001 to 2009. The peak in 2006 is significantly higher than in other years.](image-url)
Isolates from official meat inspection

Pigs
- 3 isolates (3 MVP)
- *T. spiralis* (3), lpg: 1,2-299
- outbreak in a private farm (backyard pigs)
- source not clarified, probably feeding of garbage

Wild boars
- 13 isolates (9 MVP, 2 TH, 1 BB, 1 NRW)
- *T. spiralis* (12), lpg:
- *T. pseudospiralis* (1), lpg: 2,5-867
Isolates from wild monitoring

Foxes

- 3 isolates (2 TH, 1 BB)
- *T. britovi* (3), lpg: 15

Raccoon dogs

- 2 isolates (2 BB)
- *T. spiralis* (12), lpg: 1-3
NRL activities (Germany, 2008/2009)

Validation studies, test development

- detection of larvae from frozen meat samples (presentation at WAAVP)
- use of Western Blot for confirmatory testing (publication in Vet. Parasitol.)
- development commercial ELISA for serological monitoring in pig farms

Accreditation of labs, ring trials

- accreditation of laboratories performing *Trichinella* inspection (about 1400 in Germany!)
- workshop with representatives of the Länder on 15 May 2009 (quality assurance in meat inspection, ring trial, proficiency samples)
- preparation of local labs in cooperation with the accreditation bodies (AKS)
Thank you for your attention

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