

# The European database of non-human VTEC strains

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[www.iss.it](http://www.iss.it)

# Introduction

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- The Inventory of the European NRLs for *E.coli* showed that more than 1,000 VTEC strains per year are isolated from non-human sources
- Information on these isolates is available and can be collected in a **DataBase**

## Information on the STRAIN (I)

- Country
- NRL
- Strain ref.
- Date of isolation
- Region ?
- O antigen
- H antigen
- VT production

## General information on the STRAIN (II)

- Presence of *vtx1* gene
- Presence of *vtx2* group gene
- Subtype of the *vtx2* gene
- Antimicrobial susceptibility (?)
  
- Phagetype for O157 (?)
- PFGE-type (liaison with Pulse-net ?)

## Information on the SOURCE of the strain (I)

- **Epidemiologic setting**
  - Associated with human cases
  - Official control
  - HACCP
  - Ad hoc survey
  - .....
- **Source**
  - food
  - animals
  - environment

# Database of VTEC strains from non-human sources

## Information on the source: FOOD To be harmonised with EFSA

- **Animal origin (specifying the species....)**
  - Milk and milk products
  - Cheese
  - Beef and beef products
  - Other meat and meat products (.....)
- **Other Food**
  - Fresh vegetables (.....)
  - juices
  - Buffet meals and ready to eat
  - Drinking water
  - .....
- **Setting**
  - Primary production site (eg. Farm)
  - Processing plant (eg beef cutting and trimming; cheese factory)
  - Retail
  - Restaurant / catering
  - Private house
  - Other .....
- **Imported (yes, no, unknown)**
  - Country of origin

## Information on the source: ANIMALS

- **Animal species**
  - Cattle (dairy, feedlot, .....)
  - Sheep
  - Goat
  - Wild ruminants (.....)
  - Pig (.....)
  - Poultry .....
  - Other .....
- **Setting**
  - At the farm
  - At slaughter
  - Other .....

## Information on the source: ENVIRONMENT

- **Type of Sample**
  - Surface water
  - Recreational water
  - Wells and springs water
  - Sewage
  - Soil
  - Other .....

**Additional information can be provided in a note section**



## Harmonization with the EFSA data collection Harmonization with the Enter-Net human Database

### How to build up the data base?

- Excel file ?
- .txt file ?
- On line (CRL website)

# Database of VTEC strains from non-human sources

## Database Timetable:

- **30/01/2008** a draft sent to NRLs
- **15/02/2008** collection of comments and suggestion
- **1/3/2008** definitive DB format distribution and start of data collection:
  - Restrospective data on strains isolated in 2007
  - Prospectic data since 1 jan 2008
  - Data sent every ?? months

# Grazie per l'attenzione

