

ZOETIS CENTER FOR TRANSBOUNDARY AND EMERGING DISEASES

EUROPEAN, MIDDLE EASTERN, AND AFRICAN REGIONS

Zoetis, the global animal health company, mobilizes response to outbreaks of infectious diseases through the company's **Center for Transboundary and Emerging Diseases**. The Center brings together Zoetis scientists and experts who draw upon resources from across the company. The team works closely with leaders from government, health organizations, and the veterinary and livestock agricultural communities to detect infectious disease threats early through surveillance and develop solutions, including vaccines and diagnostic tests, to help rapidly control them.

Preventing and controlling infectious disease outbreaks is ever more important to protect animal and human health; to help assure a safe, sustainable supply of animal protein; and to safeguard the livelihoods of farmers. Up to 20 percent of food production animals are lost to disease annually with an associated cost of \$120 billion from 1995 to 2008, according to the World Organization for Animal Health (OIE). Add to that the fact that 60%¹ of human infectious diseases are zoonotic, meaning they transmit between animals and people, and an estimated 75%¹ of emerging diseases are zoonotic.

PRIORITY TRANSBOUNDARY ANIMAL DISEASES BY REGION

REGION	PRIORITY DISEASES
Europe	(1) Foot and Mouth Disease (FMD), (2) African Swine Fever (ASF), (3) Rabies, (4) Classical Swine Fever (CSF), (5) Peste des Petits Ruminants (PPR), (6) Highly Pathogenic Avian Influenza (HPAI), (7) Brucellosis, (8) Lumpy Skin Disease (LSD) Additional European Commission Animal Diseases ² : African Horse Sickness (AHS), Aujeszky's Disease, Bluetongue Disease (BTV), Epizootic Haemorrhagic Disease of Deer, Newcastle Disease (ND), Porcine Epidemic Diarrhea Virus (PEDV), Rift Valley Fever (RVF), Rinderpest, Schmallenberg Disease, Sheep/Goat Pox (Capripox), Swine Vesicular Disease, Vesicular Stomatitis (VS)
Middle East	(1) FMD, (2) Brucellosis, (3) PPR, (4) RVF, (5) Sheep/Goat Pox (Capripox), (6) BTV, (7) Glanders, (8) Rabies, (9) HPAI
Africa	(1) PPR, (2) FMD, (3) Contagious Bovine Pleuropneumonia, (4) Rabies, (5) RVF, (6) ASF, (7) ND

Source: Global Framework for the Progressive Control of Transboundary Animal Diseases - Priority Animal Diseases³

¹<https://www.cdc.gov/onehealth/basics/zoonotic-diseases.html>

²https://ec.europa.eu/food/animals/animal-diseases/control-measures_en

³<http://www.gf-tads.org>

ZOETIS SERVICES

Predict: Biosurveillance Networks, Outbreak tracking/prediction tools

Prevent: Approved Vaccines, Rapid Response Vaccine Platform Systems, Farm Biosecurity, Animal Health Protocols

Detect: Diagnostic Tests, Biosurveillance Networks

Global R&D Network: Centers in the U.S., Europe (Belgium, Denmark, Norway, Spain), Brazil, China, India, Vietnam

Global Manufacturing and Supply Network: Vaccine manufacturing facilities in U.S., Europe (Belgium, Norway, Spain), Australia, Brazil, China

ZOETIS AT A GLANCE

60+

Our years of experience in animal health

9,000

Approximate number of Zoetis colleagues

57%¹

Revenue from farm animal products

100+

Countries in which Zoetis products are sold

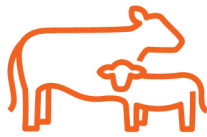
\$5.3 BILLION

Annual revenues (2017)

42%¹

Revenue from companion animal products

8



Species supported by Zoetis – cattle (beef and dairy), swine, poultry, sheep, fish, dogs, cats and horses

5



Product categories supported by Zoetis – vaccines, parasiticides, anti-infectives, medicinal feed additives and other pharmaceutical products

300



Approximate number of product lines

25



Number of Zoetis manufacturing sites – all dedicated to delivering a reliable supply of quality products

1,000



Approximate number of R&D colleagues

2,900



Approximate field force members

¹Excludes revenue associated with Client Supply Services, which represented 1% of total 2017 revenue.

FOR MORE INFORMATION

Contact zoetis.cted@zoetis.com or visit Zoetis.com/innovation.