

EPILEPSY
is Dangerous

DO YOU KNOW EPILEPSY

IN HUMANS Could be due to ►

► **1** Tapeworm cyst infested Pork



► **2** Improperly washed Green Vegetables



***In India** anywhere between **8.7% - 50%** of patients suffering from epilepsy originates from **Neurocysticercosis(NCC)**

PORCINE CYSTICERCOSIS

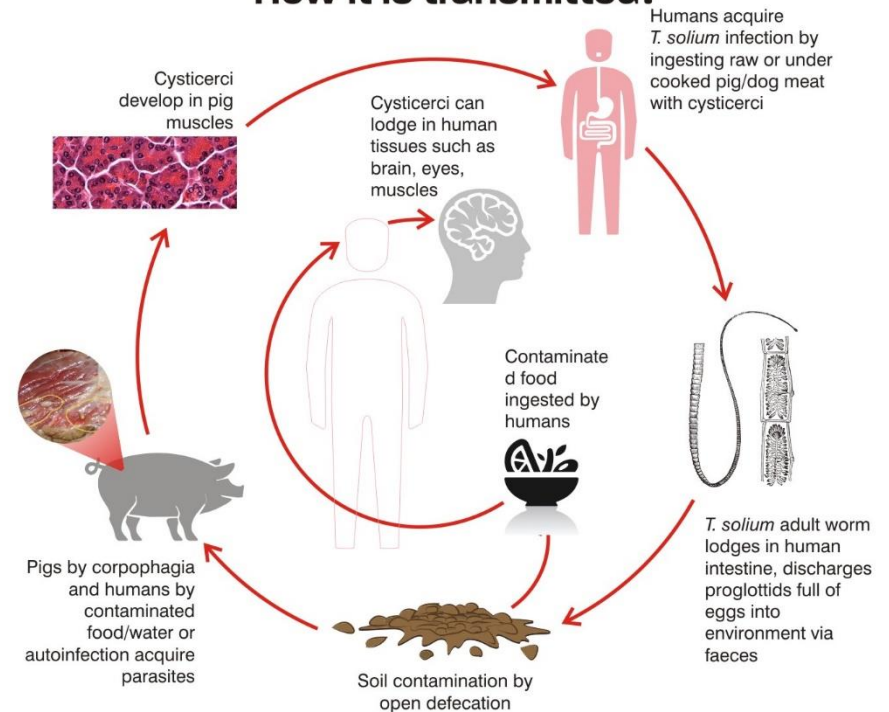
A serious Public Health Concern.. A dreaded Zoonotic Disease



What is Porcine Cysticercosis ?

- Cysticercosis is a parasitic disease caused by ingesting the eggs of the pork tapeworm, *Taenia solium*
- It is a zoonotic parasite involving pigs as intermediate host
- Humans are infected by ingesting raw or undercooked pork, Cysticercosis occurs after the ingestion of *Taenia solium* eggs
- Cysts that develop in the central nervous system can cause a preventable form of epilepsy called Neurocysticercosis

*How it is transmitted?



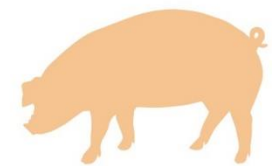
INTRODUCING...

WORLD'S FIRST

VACCINE AGAINST
PORCINE CYSTICERCOSIS



CysvaxTM



How to break the Cyst cycle?

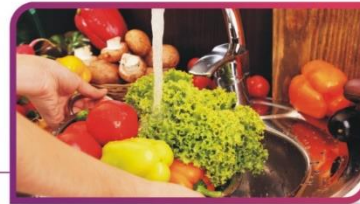
1. Pig pen hygiene



2. Stop open defecation



3. Wash vegetables properly before consuming in raw form



and most importantly...

4. Vaccination is the answer to prevent Porcine Cysticercosis



5. Consumers to choose

CysvaxTM Vaccinated Pork



Cysvax™

Product Details

Description: Cysvax is a biotechnologically derived immunological veterinary vaccine. The vaccine antigen is the Oncosphere protein encoded by a specific gene (TSOL 18 gene) of *Taenia Solium*. This antigen is produced by Pichia Pastoris expression system and formulated with oil adjuvant and recognized to be highly immunogenic.

Composition: Each dose 1 ml contains *Taenia Solium* oncosphere antigen (TSOL 18) greater or equal to 150 micro gram, Thiomersal (as preservative) less than or equal to 0.02 % w/v, Mineral oil (as adjuvant) and phosphate buffer diluent q.s.

Potency: Greater or equal to 500 Anti TSOL 18 IgG titre in 5 animals out of 6 by Elisa.

Indications: Cysvax vaccine is indicated for active immunization of pigs against porcine cysticercosis.

Target species: Pigs

Dosage and administration:

Pigs: 1 ml by deep Intra Muscular injection behind the ear area. A sterile needle and syringe should be used for each vaccination.

Vaccination Regimen:

Primary vaccination: Pigs approximately 2 months of age and above

Booster dose: 3-4 weeks after primary vaccination

Re-vaccination: 6 Months

Immunity: Develops by 2 weeks post booster dose

Contraindications: Do not vaccinate unhealthy animals i.e. animals suffering from diseases, malnutrition, allergic conditions and extreme stress etc.

Precautions: In rare cases, hypersensitivity may occur, immediate treatment with adrenaline & antihistaminic is advocated.

Injection of mineral oil into humans can produce serious localized reactions and special care should be taken to avoid accidental inoculation. If it happens, consult a medical physician immediately.

Generally corticosteroid therapy should be avoided 1-2 weeks before and after the vaccination for developing good immune response.

Side Effects: Generally no significant side effects are noticed, however in some animals temporary pyrexia, lethargy for 1-2 days and local injection site reactions for up to 7 days may be observed after vaccination.

Effects with other vaccines: No information is available on the compatibility of this vaccine with any other vaccines. Therefore the safety and efficacy of this product when used with other vaccines has not been demonstrated.

Withdrawal Period : Zero days.

Overdose : Administration of a 5-fold overdose of vaccine, no adverse reactions were observed under farm conditions other than those described under side effects.

Storage & Transport: The vaccine should be stored and transported between 2°C and 8°C

DO NOT FREEZE. SHAKE WELL BEFORE USE.

KEEP OUT OF REACH OF CHILDREN.

Shelf Life: 24 months from the date of manufacture when stored at recommended storage conditions.

Disposal of Used Containers: The empty containers of the vaccine, used syringes and needles should be disposed of properly and carefully according to local regulatory requirements.

Presentation: Cysvax is available as
1 mL, 5 mL, 10 mL & 20 mL vial



Higher weight gain...
Lesser Pork rejections
Higher income for farmer



INDIAN IMMUNOLOGICALS LIMITED

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