

Spearheading the  
**ONE HEALTH**  
— Initiative Globally —



Co-Create | Conjugate | Collaborate



**INDIAN IMMUNOLOGICALS LIMITED**  
(A Wholly Owned Subsidiary of the National Dairy Development Board)





# Trust based Leadership

**39+**  
**Years**

of service to  
science and  
humanity

**Top**  
**10**

Biopharma  
Company  
India

**One**

of the largest  
supplier to  
India's UIP

**World's**

largest producer  
of Anti Rabies  
vaccine

World's  
largest  
producer of

**FMD**  
vaccine

One of the  
largest vaccine  
manufacturing  
plants in

**Asia**





# Leadership

## Based on world class assets



More than  
**100**  
products

- ▶ Human Vaccines
- ▶ Hormones and Wellness Products
- ▶ Vaccine for Large and Small Ruminants
- ▶ Vaccines for Canine, Swine and Aqua
- ▶ Animal Formulation and Nutraceuticals
- ▶ Adult Bovine Serum



**4**  
manufacturing  
sites

- ▶ 3 Human Vaccine Units
- ▶ 1 Animal Vaccine Unit
- ▶ 1 Animal Formulations Unit
- ▶ 1 Adult Bovine Serum Unit



**>2000**  
global employees

- ▶ Manufacturing 60%
- ▶ R&D 5%
- ▶ Marketing 25%
- ▶ Support Functions 10%



# Manufacturing Capabilities

- State-of-the-art BSL 3 Facility
- Multiproduct Viral and Bacterial Facility
- Large Volume Bioreactors
- Cryopreserved Vaccine Manufacturing

## Capacities

### Human Vaccines

#### Drug Substance

- Viral 60 Mn
- Recombinant 60 Mn
- Bacterial 400 Mn

#### Fill Finish

- Lyo 60 Mn
- Liquid 300 Mn

### Animal Vaccines

#### Drug Substance

- Viral 650 Mn
- Recombinant 5 Mn
- Bacterial 375 Mn
- Protozoal 5 Mn

#### Fill Finish

- Lyo 250 Mn
- Liquid 500 Mn





# Human Vaccines Portfolio

## Abhayrab

Antigen \_\_\_\_\_

Rabies vaccine 'Rab'  
(Purified Vero cell Rabies  
vaccine)

## Elovac-B

Antigen \_\_\_\_\_

Hepatitis-B vaccine (rDNA)

## Abhay-TOX

Antigen \_\_\_\_\_

Adsorbed Tetanus vaccine

## Pentavalent

Antigens \_\_\_\_\_

Diphtheria, Tetanus, Pertussis  
(Whole Cell), Hepatitis B  
(rDNA) and Haemophilus  
influenzae Type b Conjugate  
Vaccine (Adsorbed)



## Abhay-TAG

Antigens \_\_\_\_\_

Adsorbed Diphtheria,  
Tetanus and Pertussis  
vaccine



# Vaccine Platforms

| Pathogen  | Inactivated    | Adsorbed | Conjugate | rDNA        | Live Attenuated |
|---|----------------|----------|-----------|-------------|-----------------|
| <br><b>VIRAL</b>       | Rabies         |          |           |             |                 |
|   |                |          |           | Hepatitis B |                 |
|   |                |          |           |             | Measles         |
|   |                |          |           |             | Rubella         |
|   | Hepatitis A    |          |           |             |                 |
| <br><b>BACTERIAL</b> | Tetanus Toxoid |          |           |             |                 |
|   | Diphtheria     |          |           |             |                 |
|   | Pertussis      |          |           |             |                 |
|   |                |          | Hib       |             |                 |



## Backed by a Global Outlook

### Global Certifications



- ▶ WHO cGMP
- ▶ PICs Approval
- ▶ Multiple NRA Approvals
- ▶ WHO PQ U/Process
- ▶ OIE AU Panvac
- ▶ FAO Fiat Panis
- ▶ AFSSA

### Global Collaborations



- |                 |    |
|-----------------|----|
| ▶ Manufacturing | 13 |
| ▶ R&D           | 17 |
| ▶ Universities  | 4  |



# 5 Billion

Doses of vaccines produced



# Leadership Through Global Presence



## International Business

Supplies to  
more than  
**60**  
countries



Leaders in  
**Rabies**



**20%**  
Revenue



Trade  
Segment  
State Tenders

## Domestic Business

### Institution



Largest  
supplier to  
**UIP**



Largest  
supplier of  
**Animal  
Vaccines**



**50%**  
Revenue



Extensive  
provincial tenders  
coverage

### Trade



**19**  
Distribution  
centers  
90% States  
Covered



**Best**  
Cold Chain  
Distribution



**30%**  
Revenue



**500+**  
people on  
the ground



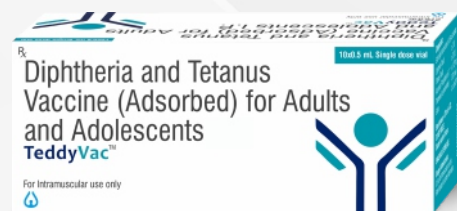
# New Launches

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## TeddyVac

Diphtheria (>2 IU) and Tetanus Toxoid (>20 IU) Vaccine  
(Adsorbed) for Adults and Adolescents  
0.5 ml (Single Dose) and 5 ml (Ten Dose)

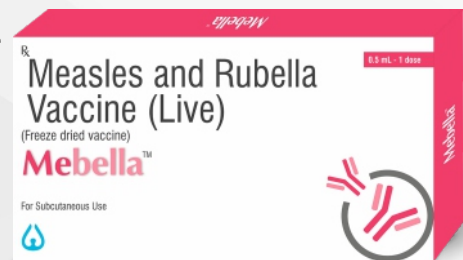
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## Mebella

Measles and Rubella Lyophilized (Live) Vaccine  
0.5 ml (Single Dose) and 2.5 ml (Five Dose)

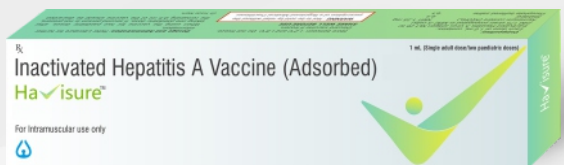
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## Ha✓isure

Inactivated Hepatitis A Vaccine (Adsorbed)  
1 ml (Single Dose Adult), 0.5 ml (Single Dose Paediatric)

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# Pipeline

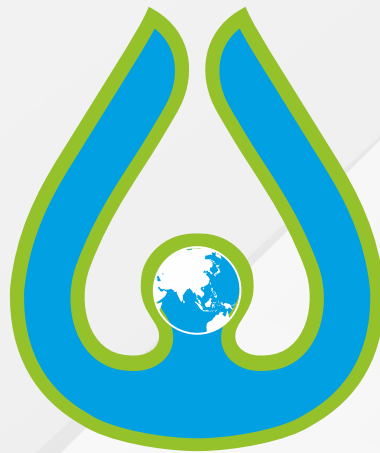
| Vaccine                             | Pre Clinical    | Phase 1         | Phase 2 | Phase 3 |
|-------------------------------------|-----------------|-----------------|---------|---------|
| Chikungunya Vaccine                 | Completed       | To be initiated |         |         |
| Live Attenuated Dengue Vaccine      | Completed       | Ongoing         |         |         |
| Live Attenuated Zika Vaccine        | Completed       | To be initiated |         |         |
| Bivalent Typhoid Conjugate Vaccine  | To be initiated |                 |         |         |
| Hexavalent Vaccine                  | Completed       | To be initiated |         |         |
| Live Attenuated SARS-CoV-2 Vaccine  | Completed       |                 |         |         |
| Inactivated Trivalent Polio Vaccine | Completed       | Ongoing         |         |         |
| Varicella Vaccine                   | To be initiated |                 |         |         |
| Anti Rabies Monoclonal Antibody     | To be initiated |                 |         |         |

Completed    To be initiated    Ongoing

## Collaboration Possibilities

- Manufacturing
- Development / Co-development
- Under License Manufacturing
- In and Out Licensing
- Antigen and RTFB Supplies
- Marketing and Distribution Collaborations





**One Earth | One Family  
One Health**

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