



INDIAN  
IMMUNOLOGICALS  
LIMITED



**BIOTECHNOLOGY** in healthcare  
made **AFFORDABLE** and **ACCESSIBLE**





INDIAN IMMUNOLOGICALS LIMITED

National Dairy Development Board set up Indian Immunologicals Ltd in 1982 with the objective of making Foot & Mouth disease vaccine available to farmers at an affordable price. The technology for FMD vaccine manufacture was obtained from the Wellcome Foundation, UK. The plant in Hyderabad today has a capacity to make 360 million trivalent doses of FMD vaccine.

IIL is the market leader in veterinary biologicals in India and operates one of the largest plants in the world for veterinary vaccines. IIL is also the third largest animal health player in India with the largest selling brand – Raksha FMD Vaccine. With depth in marketing throughout the country and reaching out to the smallest of the livestock keepers, many products of IIL occupy top slots in the market.

IIL is a major player in the human vaccine market in India, focusing on the pediatric and rabies vaccine segments. HBI's unique marketing concepts such as Abhay Clinics (one stop vaccination centres) and Abhay Shoppe (vaccine on call service) have helped create a strong retail presence. IIL is also a major supplier of pediatric vaccines to India's large Universal Immunization Programme.

IIL pursues not only the mandate of NDDDB to provide products and services to enhance the quality of livestock in the country, but also utilizes its technological capabilities for the benefit of the people.



## Our Mission

Biotechnology in healthcare made affordable and accessible.

## Our Values

- We believe that a technology driven, value based, competitive organization can alone succeed in the global market.
- We believe in providing affordable products with high quality through continuous technical innovations and improvements to satisfy our customers.
- We believe in teamwork, networking, continuous learning and development in our organization.
- We value competence, merit and excellence in our people.
- We value honesty, integrity and fairness in all our dealings.
- We value mutual trust, transparency, openness and professionalism in our dealings.





## Animal Health

IIL manufactures and markets a wide range of animal health vaccines and formulations. IIL features among the top three producers of FMD vaccine in the world and caters to more than 80% of FMD vaccine for the control programme in India. Following the successful introduction of FMD vaccine – “Raksha”, IIL launched the tissue culture rabies vaccine “Raksharab” in 1989. This was the first tissue culture vaccine in the animal health market. Subsequently, IIL developed several bovine, ovine and canine vaccines through its own R & D efforts and introduced these to the Indian and international markets. These were Rakshavac T (Theileriosis vaccine), Megavac-6 (Multi-component Canine vaccine); Sheep vaccines viz., Enterotoxaemia, Sheep pox and PPR; as well as bovine vaccines against HS and BQ.



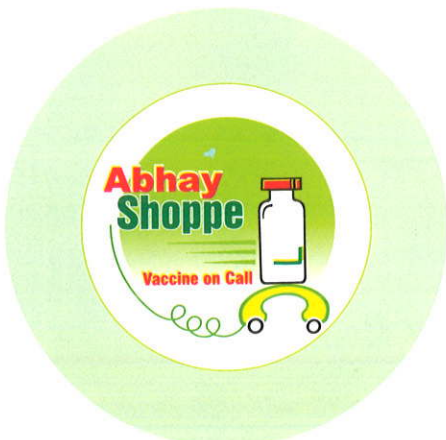
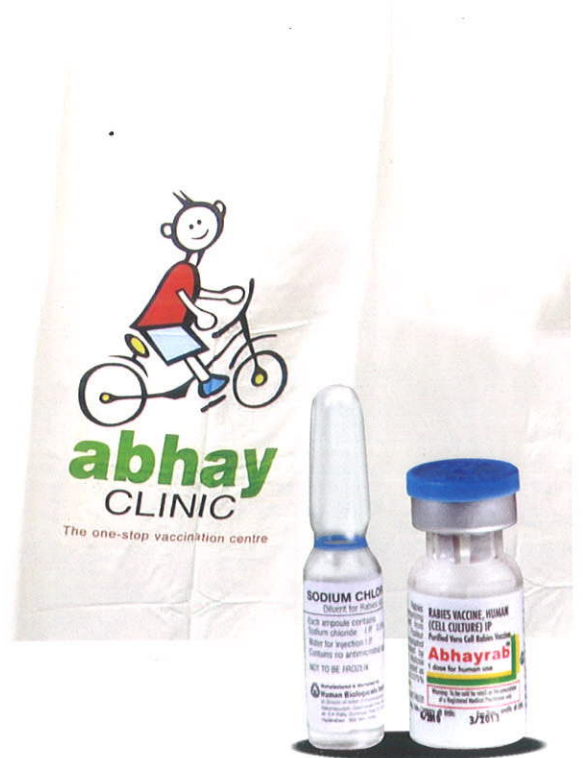
IIL is the first and only manufacturer of a combined vaccine against FMD, HS and BQ (Raksha-Triovac), in the world. IIL is also the first company to introduce Brucellosis vaccine – “Bruvax” in the Indian market; Bruvax-Plus with S19 strain and Bruvax Delta with RB51 strain are leaders in their respective segments.

IIL also markets a wide range of veterinary formulations and veterinary nutraceuticals developed after extensive research on nutritional requirements of the livestock sector.



IIL’s innovative formulation “Nimovet” is a brand leader in the NSAID Segment. Other animal health care products viz., Ivectin, Vetfen, Xylaxin, Bovicef, Garbhamin, Inimox, Bovoplex, Tikkil are the leading brands in their respective segments.

IIL is the first company to introduce “Area Specific Mineral Mixture” in the Indian market, with almost 14 variants for 14 different states. Other unique products such as Calsagar Granules (Oral Calcium supplement for Cattle); 4P (Nutritional supplement for pre and post parturition); Goudhara Shakti (Bypass Fat) are well accepted in the Indian market.



## Human Health

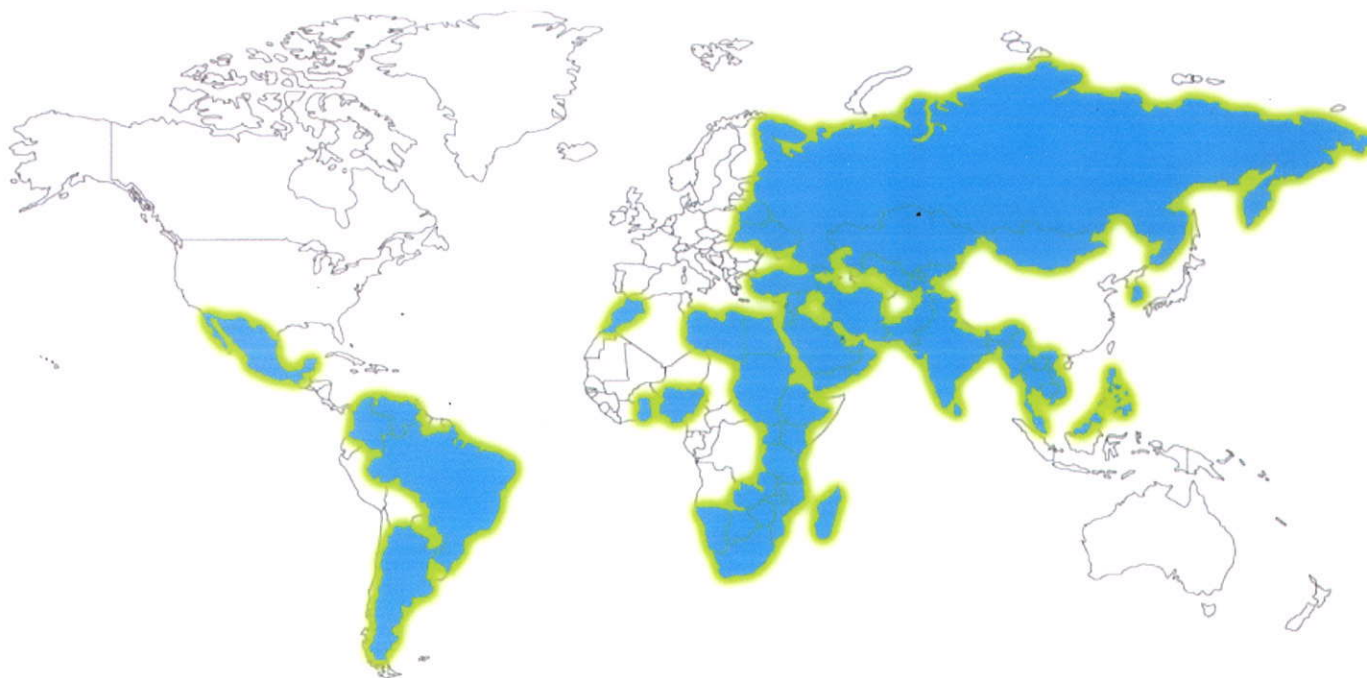
IIL entered the human vaccine market in 1999. Human Biologicals Institute (HBI), a division of IIL set up a manufacturing facility in Ooty in 1998 to produce the country's first indigenous purified vero cell rabies vaccine (PVRV). This is being marketed under the brand name "Abhayrab". Introduction of Abhayrab helped the country phase out use of the older unsafe sheep brain vaccine.

HBI created a franchisee network of doctors (Abhay Clinic) and dealers (Abhay Shoppe). These have not only helped in creating a strong retail presence for HBI, but also became successful models for delivering affordable healthcare through microfranchising in a developing country such as India.

The success of Abhayrab emboldened HBI to embark on building a new vaccine facility in Hyderabad in the year 2006 to manufacture other human vaccines such as DPT Vaccine – AbhayTAG, Tetanus Vaccine – AbhayTOX & Recombinant Hepatitis B – Elovac B.

HBI today is a major player in the human vaccine market in India, focusing on the pediatric and rabies vaccine segments. HBI is also the largest supplier of pediatric vaccines to India's large universal immunization programme.

HBI's new state-of-the-art manufacturing facility at Karkapatla in Medak district will augment the capacity of Abhayrab. In the next phase, IIL will produce combination vaccines for children in this facility.



## International Business



Over the last decade, IIL has emerged as a leading exporter of its veterinary products and human vaccines to more than 50 countries in Middle East, Asia Pacific, Africa, South America and CIS.

IIL's human Rabies vaccine, Abhayrab, is a market leader in Asia. It is also a well reputed brand in many other regions by virtue of its superior quality.

For Foot and Mouth disease, IIL has capabilities to address specific vaccine needs of the importing countries with respect to epidemiologically relevant strains and technical support.

The new state-of-the-art manufacturing facility in Hyderabad is designed to comply with the requirements of regulated markets.

## Cattle Feed



IIL's presence in the cattle feed business is a logical extension of the animal health products and services offered to the dairy farmers. IIL currently produces high quality cattle feed and specialized feed such as calf feed, feed for pregnant animals and bulls, buffalo feed and bypass protein feed in its plant at Rajkot. This plant also produces feed supplements for dairy cattle such as mineral mixtures, calcium feed granules, dewormer feed pellets, bypass fat, yeast culture & other vitamin premixes.

In order to reach out to farmers with high quality balanced cattle feed and feed supplements, IIL launched unique franchisee retail outlets "Rajdan Kendra" in Saurashtra & Kutch regions of Gujarat.

## Research

IIL's research efforts are directed at developing frontier technologies in biological, diagnostics and vaccines. Neglected tropical diseases, which are of little interest to the western countries but very relevant to a country like India, are the major focus of the research. IIL's research team comprises scientists with interdisciplinary areas of expertise who work on developing various vaccines using platform technologies such as recombinant strains for multiple antigen production, hybridoma for monoclonal antibodies, protein polysaccharide conjugations and virus like particles through molecular biology.

IIL has research collaborations with several reputed national and international institutes such as Centre for Disease Control and Prevention (CDC), USA; National Institute of Health (NIH), USA; Institute of Animal Health, UK; Harvard Medical School, USA; Centre for Disease Control (CDC), Taiwan; Centre Hospitalier Universitaire Vaudois, Switzerland; US Army Medical Research Institute of infectious Diseases, USA; GALVmed, UK; Indian Veterinary Research Institute, etc.



## Reaching the needy

IIL's journey has crossed many milestones from a single vaccine manufacturer to a large biological manufacturer exploiting biotechnology for the benefit of the people in the developing world.

The true spirit of IIL's mission "Biotechnology in healthcare made affordable and accessible" will be fully accomplished only when vaccines reach those who direly need them. IIL assumed the responsibility for becoming a vaccination services provider in addition to being a vaccine producer.

In summary, IIL's mission of "biotechnology in healthcare made affordable and accessible" encompasses sound strategies both in the laboratory and the market place and is built around committed partnerships that work in a synergistic manner.

# Product List



## Biologicals for Bovines /Ovines

BRUVAX DELTA: Brucellaabortus (Strain RB 51) vaccine (Live)  
 BRUVAX PLUS: Brucellaabortus (Strain 19) vaccine (Live)- modified dose  
 BRUVAX Rev 1: Brucellamelitensis strain Rev 1; BP  
 BRUVAX: Brucellaabortus (Strain 19) vaccine (Live);  
 POSI FMD: FMD oil adjuvant vaccine; BP  
 RAKSHA BIOVAC: Combined oil adjuvant vaccine for FMD & HS  
 RAKSHA OVAC: FMD oil adjuvant vaccine (Bivalent); BP/(Monovalent);  
 BP/(Trivalent); BP/IP  
 RAKSHA PPR: Peste Des PetitsRuminants vaccine;  
 RAKSHA TRIOVAC: Combined oil adjuvant vaccine for FMD, HS & BQ  
 RAKSHA: FMD vaccine gel adjuvant vaccine (Bivalent); BP/(Monovalent);  
 BP/(Trivalent); BP/IP  
 RAKSHA-BQ: Adjuvanted vaccine of Clostridium chauvoei; IP  
 RAKSHA-ET: Clostridium perfringens Type D vaccine  
 RAKSHA-HS: Adjuvanted vaccine of Pasteurellamultocida; IP  
 RAKSHA-HS + BQ: Combined vaccine for HS & BQ;  
 RAKSHA-SP: Sheep Pox vaccine (Live); IP  
 RAKSHAVAC-T: Theileriosis vaccine; IP

## Biologicals for Canines

MEGAVAC-6: Hepatitis, Distemper, Leptospirosis & Parvo vaccine; BP/IP  
 MEGAVAC-7: Canine Para influenza, Hepatitis, Distemper, Adeno, Leptospirosis,  
 Parvo vaccine; BP  
 MEGAVAC-CC: Canine Corona virus vaccine inactivated; IP  
 MEGAVAC-P: Canine Parvovirus vaccine inactivated; BP/IP  
 RABISURE: Rabies veterinary vaccine inactivated (cell culture); BP  
 RAKSHARAB: Rabies veterinary vaccine inactivated (cell culture); BP/IP  
 STARVAC-R: Rabies veterinary vaccine inactivated (Cell Culture); IP



## Animal Health Products

4P: Specific Feed Supplement for transition period in Dairy animals  
 ACTIPET: Multivitamin and Aminoacids supplementation  
 BEXAN XP: Vitamin B Complex injection with liver extract  
 BOVICEF: Cefitofur sodium sterile powder for injection  
 BOVOPLEX CC INJ: Vit. B. complex injection with Liver Extract & Choline Chloride  
 BOVOPLEX ORAL: Health tonic for animals  
 CALGONATE: Calcium borogluconate injection  
 CALSAGAR PET: Meat Flavored Calcium tonic  
 CALSAGAR PLUS: Animal Feed granules

CLORVECTIN: Ivermectin and Clorsulon injection  
 CLOSITEL: Closantel oral solution 15% w/v  
 FLUKINEX: Oxytocan suspension 3.4% W/V  
 FOLYSON: Human Chorionic Gonadotropin injection  
 GARBHAMIN: Coated vitamins and chelated mineral bolus.  
 GOUDHARA SHAKTI: Bypass Fat with yeast culture and herbal additives for  
 higher fat and more milk  
 GOUDHARA: Bypass fat for fat rich milk  
 GOMUX BHR: Area specific mineral mixture formulation for Bihar  
 GOMUX COBALT: Mineral mixture enriched with cobalt  
 GOMUX COPHOS: Mineral mixture enriched with copper and phosphorus  
 GOMUX COPPER: Mineral mixture enriched with copper  
 GOMUX HR: Area specific mineral mixture formulation for Haryana  
 GOMUX KAR: Area specific mineral mixture formulation for Karnataka  
 GOMUX MP: Area specific mineral mixture formulation for Madhya Pradesh  
 GOMUX PB: Area specific mineral mixture formulation for Paschim Bangla  
 GOMUX PHOS: Mineral mixture enriched with phosphorus  
 GOMUX TNW: Area specific mineral mixture formulation for West Tamil Nadu  
 GOMUX UP: Area specific mineral mixture formulation for Uttar Pradesh  
 GOMUX WUP: Area specific mineral mixture formulation for West Uttar Pradesh  
 GOMUX ZINC: Mineral mixture enriched with zinc  
 GOUSAC: Rumen Specific Yeast culture  
 GYROFLOX INJ: Enrofloxacin injection.  
 GYROFLOX ORAL: Enrofloxacin oral suspension  
 GYROFLOX TAB: Enrofloxacin dispersible tablets  
 INIMOX FORTE INJ: Amoxicillin sodium and sulbactam sodium for injection.  
 INIMOX-D: Amoxicillin & Dicloxacillin injection.  
 IVECTIN BOLUS: Ivermectin 80 mg bolus  
 IVECTIN INJ: Ivermectin injection  
 IVECTIN ORAL: Ivermectin oral suspension  
 IVECTIN TABS: Ivermectin 10 mg tablet  
 MASTECT: Mastitis detection strips  
 MIPHOCAL: Calcium borogluconate with magnesium injection  
 NIMOVET- DS: Nimesulide bolus 1000 mg  
 NIMOVET GEL: Nimesulide gel  
 NIMOVET INJ: Nimesulide injection 10% w/v  
 PESUREA: Metronidazole + Urea + Nitrofurazone bolus  
 PRAZITAL FORTE: Praziquantel, PyrantelPamoate and Fenbendazole tablets.  
 PRAZITAL PLUS: Praziquantel, PyrantelPamoate and Fenbendazole tablets.  
 PROZAL: DiminazeneDiacetate  
 SAAF KIT: Iodine based teat spray.  
 SEFTRIVET: Ceftriaxone Sodium injection  
 SULFAMIN INJ: Sulphadimidine Sodium injection  
 TIKKIL LIQUID: Cypermethrin-High Cisemulsifiable concentrate  
 TIKKIL POWER: Flumethrin 1% pour-on solution  
 TIKKIL SHAMPOO: Medicated pet shampoo with conditioner  
 TIKKIL WDP: Cypermethrin 10 % high ciswetttable dispersible powder.  
 VETALBEN Bolus: Albendazole 300 / 600 mg  
 VETALBEN Forte: Albendazole 2500 mg  
 VETALBEN: Albendazole suspension  
 VETALBEN-R: Albendazole and Rafoxanide suspension  
 VETALEXIN: Cephalixin oral suspension I.P.  
 VETFEN T: Fenbendazole 150 mg tablets  
 VETFEN-600: Fenbendazole feed pellets.  
 VETFEN-B: Fenbendazole 1.5 gm bolus  
 XYLAXIN INJ: Xylazine Hydrochloride



## Human Health Biologicals

ABHAY-DAG: Dual antigen vaccine (Diphtheria & Tetanus)  
 ABHAYRAB: Purified Vero cell line Rabies vaccine (PVRV)  
 ABHAYRIG: Equine Rabies Immunoglobulin (ERIG)  
 ABHAY-TAG: Triple antigen vaccine (Diphtheria, Pertussis & Tetanus)  
 ABHAY-TOX: Tetanus Toxoid vaccine  
 ELOVAC-B: Recombinant Hepatitis-B vaccine



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**Plants**

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Rakshapuram, Gachibowli, Hyderabad-500 032  
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