

# **ASEAN Pharmaceutical Harmonization**

(Product Registration)

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## SCOPE

- Introduction
- Definition of Terms
- Content of ASEAN Common Technical Dossier
- Benefits of ASEAN Harmonized requirements



### Introduction



The availability of generic medication is an important issue in the ASEAN region. The regulatory requirements of various countries vary from each other. Therefore, it is a challenge for the companies to get the drug approved for marketing simultaneously in different countries.



# Philippine FDA

- > ACTD Full Implementation July 2013
- > Applicable for NCE, Biologics and Generic products
- ➤ Single and multi-component vitamin and mineral products, traditional medicines, OTC preparations, household remedies, medical gases and veterinary products are not covered by ACTD submission.

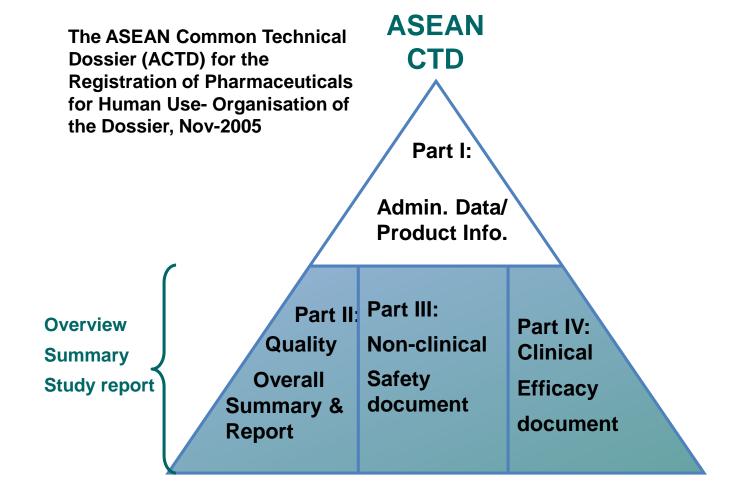


### **Definition of Terms**

**ACTD or ASEAN Common Technical Dossier –** the part of marketing authorization application dossier that is common to all ASEAN member countries.

**ACTR or ASEAN Common Technical Requirements** – a set of written materials intended to guide applicants to prepare application dossiers in a way that is consistent with the expectations of all ASEAN Drug Regulatory Authorities (DRA).







### Part I: Table of Contents, Administrative Data & Product Information

Section A: Introduction

Section B: Overall ACTD - Table of Contents

Section C: Documents Required for Registration

Application Form

Letter of Authorization

Certification

Labeling

**Product Information** 

### **Part II: Quality Document**

Section A: Table of Contents

Section B: Quality Overall Summary (QOS)

Section C: Body of Data



# ACTD- Quality

### **Drug Substance**

S1- General information

S2- Manufacture

S3- Characterization

S4- Control of drug substance

S5- Reference standard or

materials

S6- Container closure system

S7- Stability

### **Drug Product**

P1- Description and composition

P2- Pharmaceutical development

P3- Manufacture

P4- Control of excipients

P5- Control of finished product

P6- Reference standard or materials

P7- Container closure system

P8- Stability

P9- Product interchangeability/ equivalence evidence



# **GMP Certificate**

CONSULATE GENERAL OF THE PHILIPPINES CONSULAR SECTION MUMBAI. INDIA

S.S

### CERTIFICATE OF AUTHENTICATION

I, (Mrs.)Rajashree Birla, Consul General a.h., of the Republic of the Philippines duly commissioned and qualified do hereby certify that Mr. S. D. Perke was, at the time he signed and affixed his official seal to the document hereto annexed, Section Officer, Home Department, Govt. of Maharashtra, Mumbai authorized to authenticate legal documents and verily believe that his signature affixed there to is genuine.

The Consulate General Republic of the Philippines, Mumbai, India, assumes no responsibility whatsoever with regard to the contents of the instrument referred to above.

THE WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the Consulate General of the Philippines, Mumbai, India this 14th October, 2013.



Rajashoce Birla

Rajashree Birla
Consul General ad honorem
Annexed documents were
submitted by Ms. Chiron Behring
Vaccines Private Limited,
Mumbai. India

Fee:- Rs.1,600/- + Rs.1,600/- for 1 extra copy Service No:- 8705/MISC/2013 O.R. No:- 6211227-FA

Date:- 1 4 OCT 2013



## Food & Brugs Control Administration BLOCK NO. 8, 154 FLOOR DE JURAJ MEHTABHAVAN.

GANDHINAGAR GUJARAT STATE, INDIA PIN : 382010



NOTARY (Govt. of Guj.)

Certificate No.: 1308684 On the basis of the inspection carried out on 29/05/2013, 30/05/2013 & 01/08/2013 we certify that the site indicated on this certificate complies with Good Manufacturing Practices for the dosage forms, categories and activities listed in Table 1. Name & Address CHIRON BEHRING VACCINES PVI. LTD. of site: PLOT NO. 3502, G.I.D.C. ESTATE, P.B. NO. 136 City: ANKLESHWAR, Dist: BHARUCH Manufacturer's G/28-D/LVP-2 Licence number 3 Table:1 Dosage Form (s) Category (ies) Activity (ies) A copy of this document/CERTIFICATE has been recorded with the Chambet Vaccines Manufacturer MR. SANJAY MALHARRAO GAIKWAD Authorised Signatory The responsibility for the quality of the individual batches of the pharmaceutical products manufactured through this process lies with the manufacturer. This certificate remains valid until 11/08/2015. It becomes invalid if the activities and /or categories certified herewith are changed or if the site is no longer considered to be in compliance with GMP Format of this certificate is as per WHO TRS No. 908 of 2003. Address of certifying authority Food & Drugs Control Administration, Block No. 8, 1ST floor, Dr. Jivraj Mehta Name & function of : (Dr.H.G.KOSHIA) Bhavan, Gandhinagar, Gujarat State, India. - Pin: 382010 responsible Person Commissioner Email : comfdca@gujarat.gov.in Phone : 91-79-23253417, Fax: 91-79-23. Date 12/08/2013



### **Product Insert**

### Rabipur®

PCEC Rabies vaccine (PCEC = Purified Chick Embryo Cell) Active substance: Inactivated rabies virus

One vial of powder and solvent for solution for injection for one immunisation dose (1 ml) contains:

inactivated rables virus (strain flury LEP), potency > 2.5 IU. Other ingredients:

- Pre-exposure immunisation (preventative, prior to exposure):
   Immunisation prior to possible infection with rables. exposure): Immunisation prior to possible infection with rables, particularly for vets, veterinary medicine students, animal seepers, nutners, forestry workers, animal handlers, or prior to visits to areas in which rables is endemic (rables infected areas).

concern protest reactives.

In the extremely rare cases in which subjects have reacted with clinical symptoms such as unican's (retile rash), iip and largives represent the subject of th

superchare labelines or wire gency reasonable and any contain residual, Rabbur contains polygaline and may contain residual, neomycin and this could potentially cause allergic reactions, the patients with known hypersensitivity to constituents of the medical treatment addressing analytivation should be when the patients with containing analytivation should shaw be a supercharacteristic analytic and another equivalent modern cell culture rabbies vaccine should Minor infections (even with subtleshire temperature).

Do not administer of intravascular injection!

If the vaccine is inadvertently administered intravascularly (in a blood vessel), there is a risk of adverse reactions, with shock potentially occurring in extreme cases. Appropriate emergency measures to prevent shock must be taken immediately.

Do not mix vaccine with rabies immunoglobulin in the same syringe.

Prophylaxis against tetanus should be administered when necessary!

necessary!
In cases in which simultaneous administration of vaccine and immunoglobulin is indicated, as much of the recommended dose of human rables immunoglobulin as is anatomically feasible should be applied as deeply as possible in and around the wound. Any remaining immunoglobulin should be injected intramuscularly at a site distant from the site of vaccine administration, preferably intragitudally (in the gluteal).

should be avoiced. Rabies immunoglobulins should only be administered at the recommended dose. The immunoglobulins should neither be given at higher nor lower doses than those recommended, nor should they be repeatedly administered, as this may reduce the effects of rabies vaccine given at the same time.

COLORDON ACOSTORIO

Time intervals to be observed before other vaccinations are

With Rabipur, it is possible to vaccinate persons of any age group. The recommended single dose is 1 ml.

PRE-EXPOSURE IMMUNISATION (prior to exposure)

BOOSTERDOSES
International recommendations (WHO, ACIP-US) are as follows:

For persons at <u>continuous risk</u>, evaluate the rables virus neutralizing antibody titres by RFFIT, every 6 months.

For persons at frequent risk, the WHO recommends antibody titre estimations every year, whereas the ACIP advocates testing every 2 years.
 If titres are below 0.5 IU/ml at any time, one booster dose should be administered.

facilities, a booster dose one year after primary immun followed by one dose every 5 years would be advisable.

For indications for use, see Table 1.

Unimmunised or incompletely immunised individuals (including those who have previously received fewer than 3 doses of vaccine, or who have received a vaccine of doubtful potency or origin): Treatment according to schedule B or C (see also Table 2).

One single dose of vaccine on days 0, 3, 7, 14, 28 (5-dose schedule).

schedule DC).

and I purpose caused by rabble animals or animals suspected to be rabbl, or after contact between the sailvar of these animals and the mucous membranes animals and the succus membranes animals and the succus membranes animals and the succus membranes of the sailvar of these animals and the success membranes does softenible or 2-1-1 schedule stong with additional passive immunisation are required (see Table 2, schedule C), 20 IU/Rg bodyweight (BW) of human immunisation are to begive not cost the time of the first vaccination. As much of the rabbles remunisation preparation as is anisationally interesting the said of the said animals and the said of the said animals.

The recommended immunoglobulin dose should neither be increased, nor decreased, nor should rables immunoglobulin administration be repeated (for further details refer to the manufacturer's information).

Patients who have previously received a complete course of primary immunisation (pre- or post- exposure) should receive two doses of Rabipur, one on each of days 0 and 3, respectively. This is independent of the interval to the last immunisation. No administration of rables immunoglobulin is required.

IRIDAINGCONDISCOLINGCUISTICS Patients recovering immunosuppressive therapy, or Patients recovering immunosuppressive therapy, or should be vaccinated ones on each of the days 0, 3, 7, 4, 28. In addition, the initial immunisation does of vaccinated ones on each of the days 0, 3, 7, 4, 28. In addition, the initial immunisation does of vaccinate or patients of the state defence system) are treated after exposure to naive, it is advisable that the antibody time be measured 14 days after the first does if a time of at least 0.5 LUm. In our present, ado one of vaccine should be immediately administered into each of vaccine should be immediately administered into each of small childrin. Depending on the dose or small childrin. Depending on the dose may be necessary to achieve appropriate antibody time is neuron (for information on the control of the c

Method and duration of administration

The lyophilisate should be reconstituted immediately using the diluent supplied, and carefully agitated prior to injection. The reconstituted vaccine should be used immediately.

The vaccine must not be administered by intravascular (in a blood vessel) injection!

doctor or pharmacist. Mild reactions at the injection site, such as pain, redness, swelling or induration are possible. More marked local reactions, fever, headaches, nyagila, hymph node swelling coccasionally occur. Rare are circulatory reactions, sweating, chilbs, pareastesias and altergic reactions; these require treatment only in exceptional cases (see section "Special precasions for use").

Rabipur should be stored at +2 to +8\*C.
Rabipur should not be used after the expiry date printed on the pack and container.
The vaccine should be used immediately after reconstitution. Store out of reach of children!

After dissolution of the white lyophilisate (powder), a clear colourless solution is obtained.

sclerosis) or with an appropriate genetic predisposition. August 2002

Table 1: Appropriate rables treatment based on different categories of exposure

Exposure category	Type of	Treatment schedule			
	Contact with a rabid or suspected rabid* wild or domestic animal	Contact with an inoculated animal carcass			
I Laco	Touching/feeding animals, but clearly no contact with their saliva; patient's skin undamaged prior to and during contact	- Touching inoculated carcass; skin intact	No treatment necessary. In cases of uncertainty, immunisation to be administered as per schedule B (Table 2)		
	Animal has ribbled or licked exposed side of the patient Contact with saliva Superficial, non-bleeding, scratches made by the animal, with the exception of scratches on the head, neck, shoulder region, arms and hands (see exposure grade III)	Touching inoculated carcass; skin damaged	Immediate treatment as specified in schedule B. In cases of uncertainty, simultaneous administration of vaccine and immunoglobulin (active and passive mm unis at ion) a fould be administered as specified in schedule (Tale) and passive treatment in the properties of the properties o		
	All bites     Bleeding scratches     Bleeding scratches on the head, neck, aboulder region, arms, and hands     Contact of patients mucous membrane with animal saliva (e.g. Licking.spray)	Contact of inoculated carcass with mucous membrane or fresh skin wound	Initiate immediate simultaneous administration of vaccine and immunojobisni (active and passive immunisation) as specified in If the animal proves to be healthy after examination, it is advisable to continue treatment as in schedule A. Check patient's immunity against telanus.		

All animals exhibiting abnormal behaviour in an area which has been officially declared as rables endemic area must be considered potentially rabid. The corpses of rabid animals can also transmit rabies.

Note: Where indicated, prophylactic immune treatment should be given as soon as possible!

Schedule A	Schedule B	Schedule C
Immunisation prior to exposure	Immunisation after exposure	Simultaneous prophylaxis after exposure
One Injection of Rabipur I.m. on days: 0, 7, and 21 or 28	One injection of Rabipur I.m. on days: 0, 3, 7, 14, 28 (5-dose schedule) or One dose of Rabipur to be given into the sight detailed and muscle on day 0; and one dose to be applied into the detailed muscle on day 0; and one dose to be applied into the detailed muscle on day 7 and 21 (2-1-1 regimen). be diven into the thickness to be diven into the thickness to	Give Rabipur as in schedule B + 1 x 20 IU/kg BW human rabies immunoglobulin <sup>2</sup> or 40 IU/kg BW equine rabies immunoglobulin <sup>2</sup> and 10 II/kg BW equine rabies immunoglobulin simulianeously with the first close of the first control of the first vaccination, it must be administered no later than 7 days after the first vaccination, it must be administered no later than 7 days after the first vaccination.

Persons who have received less than three immunisation doses, or a vaccine of doubtful potency or origin

The WHO recognises the effectiveness of modern tissue culture rabies vaccines when given by the intradermal route course rauses vaccines when given by the mrädermät route study. In Thalland using Rabipur showed good immunogenicity when a dose of 0.1 ml per intradermal site was administered according to the TRC 2-2-2-0-1-1 regimen 1.2 ml regimen of the per regimen of the p Dosage and administration (post-exposure):

The 2-site intradermal method (2-2-2-0-1-1), also known as the TRC schedule is recommended: one i.d. Injection of 0.1 ml at each of 2 sites, on upper arm, over each left and right deltoid on days 0, 3, 7

one i.d. injection of 0.1 ml at a single site on upper arm (deltoid) on day 28 (or 30) and day 90. Fully vaccinated individuals (see above definition):

It is essential that intradermal administration of vaccine be carried out only by medical staff trained in the i.d. technique in order to ensure that the vaccine is delivered intradermally syringe with fixed needle (insulin type) is preferred. A separate sterile needle and syringe must be used to withdraw and administer each dose of vaccine for each patient to avoid cross infection. Correct intradermal injection should result in the construction of the control of the control

The i.d. mute must not be used in the following instances:

This vaccine is of sufficient potency to allow its safe use in one of the WHO recommended intradermal post-exposure regimens in countries where relevant national authorities have approved the intradermal route for rables post-exposure treatment.<sup>90</sup>

WHO Recommendation on Rabies Post-Exposure Treatment and the Correct Technique of Intradermal Immunisation against Rabies, WHO/EMC/ZOO.96.6

Immunisation against Rabies, WHO/EMC/ZOO.96.6 Intradermal Application of Rabies Vaccines, Report of a WHO Consultation, Bangkok, Thailand, 5-6 June 2000, WHO/CDS/CSRI/APH/2000.5

WHO/CDS/CSR/APH/2000.5
Briggs DJ, Barzboff A, Nicolay U, Slrikwin S, Dumavibhat B, Tongswas S, Wasi C; Antibody response of patients after posteroposure rabbs vaccination of patients after posteroposure rabbs vaccined and patients of the patients of the

Name and address of the manufacturer CHIRON BEHRING VACCINES PVT. LTD.

A516(1203A)F26(I.D.)(N)



Part III: Non-Clinical Document

**Section A: Table of Contents** 

**Section B: Non-Clinical Overview** 

Section C: Non-Clinical Written and Tabulated Result

- Pharmacology
- Pharmacokinetics
- Toxicology

### **Section D: Non-Clinical Study Reports**

- Pharmacology
- Pharmacokinetics
- Toxicology
  - Genotoxicity
  - Carcinogenicity
  - Reproductive and Developmental Toxicity
  - Local Tolerance
  - Other Toxicity Studies (if available)

Section E: List if Key Literature References



**Part IV: Clinical Document** 

Section A: Table of Contents Section B: Clinical Overview Section C: Clinical Summary

**Section D: Tabular Listing of All Clinical Studies** 

**Section E: Clinical Study Reports** 

- Report of Biopharmaceutic Studies
- Reports of Studies Pertinent to Pharmacokinetic Using Human Biomaterials
- Report of Human Pharmacokinetic (PK) Studies
- Reports of Human Pharmacodynamic (PD) Studies
- Reports of Efficacy and Safety Studies
- Reports of Post-Marketing Experience Local Tolerance

Section F: List if Key Literature References



# Country specific requirements

- Application Form
- > Labeling
- > Stability

Even though ACTD format is mandatory, the member countries have their own requirements for registration process.



# **Benefits of ASEAN Harmonized requirements**

☐ Save time,	resource	s & costs for	r regulators	& indu	stry.					
☐ Facilitate trade in medicinal products across ASEAN										
☐ Quicker acconsumers	ccess of	medicinal	products	hence	benefit	patients	&			
☐ Elimination	of techni	cal barriers	to trade							



# Thank you!