

## ANNEX 3

### Antivenoms for treatment of bites by Southeast Asian snakes (listed by country of manufacture)

#### A China

Shanghai Institute of Biological Products, Ministry of Health, 1262 Yan An Road (W), Shanghai 200052, China (Tel : ++ 8621-62803189; Fax : ++ 8621-62801807).

Contact : Ms Minzhi Lu, Manager, International Affairs and Trade Department  
(Tel : ++ 8621-62805234)

**(liquid antivenoms, 10-15 ml/ampoule)**

1. *Agkistrodon acutus* antivenin (purified) (= *Deinagkistrodon acutus*, found in North Vietnam).  
Recommended dose 8,000 IU (= 4 ampoules)
2. “*Agkistrodon halys*” antivenin (purified) (said to be active against venoms of *Trimeresurus mucrosquamatus* and *T stejnegeri*).  
Recommended dose 6,000 IU (= 1 ampoule)
3. *Bungarus multicinctus* antivenin (purified) (said to be effective against the venom of *Ophiophagus hannah*).  
Recommended dose for bites by both species 10,000 IU (= 1.25 ampoules)
4. “*Naja naja*” antivenom (purified) (= *Naja atra*).  
Recommended dose 2,000 IU (= 2 ampoules)

#### B Germany

Knoll AG, Postfach 21 08 05, 67008 Ludwigshafen, Germany (Tel : ++ 49621-5892688;  
Fax : ++ 49621-5893707).

Contact: Mr Lok, Managing Director

**(liquid antivenom, 10 ml/ampoule)**

5. Cobra monospecific antivenom (*Naja naja sputatrix* = Malaysian *N sumatrana*)

#### C India

- i Bengal Chemicals and Pharmaceuticals Ltd, 6 Ganesh Chunder Avenue, Calcutta.  
(Fax : ++91 33 2257697)  
**(liquid antivenom)**
6. Polyvalent (*Bungarus caeruleus*, *Naja naja*, *Vipera russelli*, *Echis carinatus*)
- ii Central Research Institute (Simla Hills), 173 204 (HP) Kasauli. (Tel : ++ 91-

17932060; Fax : ++ 91-179272049)  
**(liquid and lyophilised antivenoms, 10 ml/ampoule)**

7. Polyvalent (*B caeruleus*, *N naja*, *V russelli*, *E carinatus*)
  - iii Haffkine Bio-Pharmaceutical Corporation Ltd, Acharya Donde Marg, Parel, Mumbai 400 012. (Tel: ++ 91-22 4129320, 23 4129224; Fax: ++ 91 22 4147564; Telex : 11.71427 HBPC IN)  
Contact : PR Sharma, Assistant Marketing Manager, Export and Trade Department.  
**(lyophilised antivenoms, 10 ml/ampoule)**
8. Polyvalent anti-snake venom serum (*B caeruleus*, *E carinatus*, *N naja*, *V russelli*)
  - iv King's Institute of Preventive Medicine, Guindy, Madras NA5
9. Polyvalent
  - v Serum Institute of India Ltd, 212/2 Hadapsar, Pune-411 028. (Tel : ++ 91-212672016; Fax : ++ 91-212672040; Telex : 145-7317 SERA IN, 145-7216 SEAL IN)  
Contact : Dr SS Jadhav, Executive Director (QA)  
**(lyophilized antivenoms)**
10. Polyvalent (*B caeruleus*, *N naja*, *V russelli*, *E carinatus*)
11. Bivalent (*E carinatus*, *V russelli*)

## **D Indonesia**

Perum Bio Farma (Pasteur Institute), Jl Pasteur 28, Post Box 1136, Bandung 40161. (Tel : ++ 6222-83755; Fax : ++ 6222-210299; Telex : 28432 BIOFAR IA)  
**(liquid antivenom, 5 ml/ampoule)**

12. Polyvalent antivenom serum (*Calloselasma rhodostoma*, *B fasciatus*, *N sputatrix*)

## **E Iran**

State Serum and Vaccine Institute, Razi Hessarek, BP 656, Teheran. (Tel : ++ 98 2221 2005)  
**(liquid antivenoms, 10 ml/ampoule)**

13. Polyvalent snake antivenom (equine) (said to neutralise the venoms of two South-east Asian species - *Naja oxiana* and *Echis carinatus* (probably *E sochureki*), *Vipera lebetina* (= *Macrovipera lebetina*) and *Pseudocerastes persicus*)

## **F Myanmar (Burma)**

Myanmar Pharmaceutical Factory, Yangon.

**(lyophilized and liquid antivenoms, 10 ml/ampoule)**

14. Viper antivenom (*V russelli*)
15. Cobra antivenom (*N kaouthia*)

## **G Pakistan**

National Institute of Health, Biological Production Division, Islamabad. (Tel : ++ 9251-240946; Fax : ++ 9251-20797; Telex : 5811-NAIB-PK)

Contact : Shahid Akhtar

**(liquid and lyophilized antivenoms, 10 ml/ampoule)**

16. Polyvalent anti-snake venom serum (*B caeruleus*, *E carinatus*, *N naja*, *V lebetina*, *V russelli*)

## **H Philippines**

Biologicals Production Service, Dept of Health, Los Banos, Laguna.

**(liquid antivenom)**

17. Philippine cobra antivenin (*Naja philippinensis*)

## **I Taiwan**

National Institute of Preventive Medicine, 161 Kun-Yang Street, Nan-Kang, Taipei, ROC 11513. (Tel : ++ 8862-7859215; Fax : ++ 8862-7853944).

Contact : Dr Gong-Ren Wang, Director

**(lyophilised antivenoms, 10 ml/ampoule)**

18. *Bungarus multicinctus* and *N atra* bivalent antivenom
19. *Trimeresurus mucrosquamatus* and *Trimeresurus gramineus* (= *T stejnegeri*) bivalent antivenom

20. *Agkistrodon acutus* (= *Deinagkistrodon acutus*) antivenom

**J Thailand**

The Thai Red Cross Society, Queen Saovabha Memorial Institute, 1871 Rama VI Road, Bangkok 10330. (Tel : ++ 662-2520161-4; Fax : ++ 662-2540212; Telex : 82535 THRESCO TH)  
**(freeze dried monovalent antivenoms, 10 ml/ampoule)**

21. Cobra antivenom

22. King cobra antivenin

23. Banded krait antivenin

24. Russell's viper antivenin

25. Malayan pit viper antivenin

26. Green pit viper antivenin