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ISO9001:2000/ISO13485:2003 & IVD GMP CERTIFIED

SPECIFICATION SHEET

PRODUCT:	Bivalent antivenin for Duck IgY(Δ Fc) antibody to Cobra and Krait venom
CATALOG NUMBER	D2004-2B
HOST ANIMAL	Duck
DESCRIPTION:	IgY (Δ Fc) to cobra and krait venom is developed in duck by using a mixed venom of <i>N. naja atra</i> and <i>B. multicinctus</i> venom as immunogen. The antibody is purified from egg yolk. The product is supplied as a solution in 10mM phosphate buffer, 0.14M sodium chloride, pH 7.0, containing 0.005% Thimerosal as a preservative.
IMMUNOGEN:	Snake Venom of <i>N. naja atra</i> (Formosan cobra) and <i>B. multicinctus</i> (Formosan krait)
CONCENTRATION:	≥ 10 mg/ml, determined by absorbance at 280 nm and using 1.4 as the extinction coefficient
PURITY:	Determined by SDS-PAGE(blue stain), showing that the IgY(Δ Fc) constitute was $\geq 80\%$ of total protein, and the total immunoglobulin IgY+IgY(Δ Fc) constitute was $\geq 90\%$ of total protein.
STORAGE:	For continuous use, store at 0~5 $^{\circ}$ C. For extended storage: -20 $^{\circ}$ C. Repeating freezing and thawing is not recommended.
SPECIFICITY:	This antibody specifically recognized cobra and krait venom in western blot analysis; cross-reactivity to other snake venom has not yet been tested.
TITER:	ELISA titer : $\geq 1000x$ against cobra venom; $\geq 1000x$ against krait venom ELISA titer is defined as the dilution of antibody (1mg/ml) sufficient to give a change in absorbance of 1.0 at 450nm. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.
APPLICATIONS:	Good to be used in immunoassay method e.g. ELISA, Western Blot assay, Immunoelectrophoresis, Immunodiffusion assay, Neutralization test <i>et al.</i>
RELATIVE PRODUCTS:	Duck IgY(Δ Fc) to Cobra venom (D2002-2B) Duck IgY(Δ Fc) to Cobra venom—affinity purify (D2002-2D) Duck IgY(Δ Fc)—Fab' to Cobra venom—affinity purify (D2002-3D) Duck IgY(Δ Fc) to Krait venom (D2003-2B) Duck IgY(Δ Fc) to Krait venom—affinity purify (D2003-2D) Duck IgY(Δ Fc)—Fab' to Krait venom—affinity purify (D2003-3D)

For *in vitro* research and manufacturing of diagnostic only.