

The Most Advanced Technologies on Quantitative Analysis of Inactivated Virus & Commercial Scale Purifications of Animal Vaccines

The Technologies We Developed Apply for the Following Animal Vaccine Virus

FMDV: The foot-and-mouth disease virus

PCV: Pneumococcal conjugate virus

PRRSV: Porcine reproductive and respiratory syndrome virus

Influenza Virus

Pseudorabies Virus

Rabies Virus

PEDV: Porcine epidemic diarrhea virus

TGEV: Transmissible gastroenteritis virus (a coronavirus of swine)

RV: Rotavirus

BVDV: Bovine Viral Diarrhea Virus

IBRV: infectious bovine rhinotracheitis virus

Japanese Encephalitis Virus, etc.

Commercial scale purifications of FMDV (Real results):

1. Affinity Chromatography:

Purification yield	≥ 80% (purity ≥ 30 %)
the viral load of filler	50-200 ug/ml filler
costs	\$1.50/1000 ug antigen
Filler re-usage	200 times
flow rate	200ml / hr. cm ² (under normal condition).

2. Precipitation:

Purification yield:	≥ 80% (purity 10 - 30 %)
Costs:	\$2.00/1000 ug antigen.

We provide the specialty prepared Affinity Chromatography filling materials and all of the related technologies for customers who would like to improve their animal vaccine purification efficiency and immunization results while also cut costs.

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