

# SDA BIO Adjuvant Product Catalog (English Version)

## Saponin Immunostimulants

Product	Type	Features	Technical Description
VSP	High-purity saponin	Universal	Enhances neutralizing antibody response
VSP70	Saponin (70%)	Universal	Cost-effective immune enhancement

## Nano/Microemulsion Systems

Product	Type	Features	Technical Description
SDA 7749	20 nm nanoemulsion	1:9 dilution	High antigen presentation
SDA 6050	60 nm microemulsion	1:9 dilution	Strong TH1 response
SDA 4580	80 nm microemulsion	1:9 dilution	Balanced response

## Polymer Gel Systems

Product	Type	Features	Technical Description
SDA 701A	Particulate gel (closed)	10–20%	Dense particle gel
SDA 701B	Particulate gel (open)	10–20%	Improved antigen diffusion
SDA 701C	Particulate gel (in situ)	10–20%	Gel forms after dilution
SDA 702A	Network gel (open)	10–20%	Continuous network structure
SDA 702B	Network gel (in situ)	10–20%	Gel forms after dilution
SDA 703A	Network gel (emulsion)	10–20%	Oil-containing gel system
SDA 703B	Network gel emulsion (in situ)	10–20%	Gel forms after dilution

## Oil-in-Water Emulsions

Product	Type	Features	Technical Description
SDA 15A	O/W emulsion	~100 nm	General vaccine use
SDA 28	O/W emulsion	~150 nm	Higher oil content

## Double Emulsion (W/O/W)

Product	Type	Features	Technical Description
SDA 206	W/O/W	1:1	High internal water phase
SDA 501	W/O/W	1:4–9	Moderate internal phase

## Water-in-Oil Emulsions

Product	Type	Features	Technical Description
SDA 50T	W/O	1:1	General use
SDA 70	W/O	7:3	Poultry vaccines

