



# YASHAM

YASHAM SPECIALITY INGREDIENTS PVT LTD



# VACCINE

Beyond Chemicals Building Partnership

# VACCINE

Product Name	Brand Name	Compliance	Functions, Properties and Features
Aluminium Hydroxide Gel	Rehydralgel LV	N/A	Low Viscosity, highly active protein adsorbent specially compounded for use as a fluid adjuvant in parenteral products with outstanding protein-binding capacity.
	Rehydralgel CG		Gelatinous, economical gel that is often diluted to form suspensions having relatively low Al <sub>2</sub> O <sub>3</sub> concentrations or used in veterinary vaccines that needs high adjuvant levels. Additionally, due to its high viscosity, this is an excellent adjuvant for topical applications.
	Rehydralgel HPA		Sterile, low-oxide, thixotropic, colloidal gel containing sub-micron particles that can boost protein adsorption compared to conventional adjuvants. It provides maximum protein binding and a point of zero charge of pH 12.
	Rehydralgel SP		Used for negatively charged proteins and has the largest mean particle size among our adjuvant product line.
	Rehydralgel HS		Lower binding helps uptake of antigens by T-cells in this subject. HS is designed specifically for those vaccines where low binding is required.
	Rehydralgel HS 1.3		Rehydralgel ® HS diluted to 1.3% Al <sub>2</sub> O <sub>3</sub>
	Rehydralgel PM		Designed for use in buffer systems that are incompatible with Rehydralgel LV.
	Rehydralgel AB		Superior aluminium hydroxide for blood plasma separation.
Aluminium Phosphate Gel	Rehydraphos	N/A	Adjuvants are based on amorphous aluminium hydroxy phosphate and have an acidic point of zero charge (pH of 4.6). This property, combined with their high surface area, gives them a high adsorptive capacity for bases or positively charged proteins at physiological pH.
Oil Adjuvant	Montanide ISA 51™ VG	US, Canada, European CTD, Japan - DMF available	Mineral oil-based W/O adjuvant used to increase immune response to cancer vaccines; Acts as an immune modulator; Stable emulsion with low viscosity. <b>Application:</b> Human Vaccines.
	Montanide ISA 720™ VG		Non-Mineral oil and highly refined emulsifier-based W/O adjuvant, Used in various vaccines to enhance cellular & humoral immune response, Stable emulsion with low viscosity. <b>Application:</b> Human Vaccines.
Squalene based oil in water adjuvant	ESSAI O/W Adjuvant	N/A	Squalene based oil in water adjuvant for prophylactic human vaccine, Ready to use Adjuvant by simple mixing with antigen to obtain final vaccine. <b>Application:</b> COVID-19 Vaccine
Squalene	Squapure	EP	Marine Squalene with purity > 99%, Clear, colourless, odourless liquid Dosage recommendations : 3 to 10% Solubility : Liposoluble <b>Application:</b> Used in some vaccines in the form of an "oil-in-water" emulsion, it plays a surfactant role, thus increasing the response of the vaccine.
Cellufine Sulfate	N/A	ISO 9001, ISO 14000	Cellufine Sulfate affinity media is a simple, rapid and effective means for concentration, purification and depyrogenation of large volumes of highly purified and concentrated virus and viral or microbial antigens. <b>Application:</b> concentration, purification and depyrogenation of virus, viral/microbial antigens and heparin-binding proteins. Cellufine Sulfate can reduce or eliminate the expense, ligand leakage and reproducibility problems associated with immobilized dextran sulfate, chondroitin sulfate or heparin. Elution of the bound product is affected through simple stepwise or gradient increase in ionic strength.

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