

Category	Applications	Advantages	Disadvantages	Sigma Products
Mineral Salts	Vaccines	Mild	Need strong immunogen, large quantities	A 1577
Oil Emulsions	Experimental immunization	Strong; use smaller amount and less immunogenic Ag	More irritating; veterinary uses may be regulated	F 5506, H 4379, T 2684
Microbacterial Products	Experimental immunization, use with oil emulsions, mineral salts to enhance activity	Stimulate cellular and humoral immunity, strong adjuvants	Very irritating, severe side effects possible; veterinary uses may be regulated	F 5881, M 6536, M 6661
Synthetic Products	Enhance immunogenicity of polysaccharides and haptens	Low toxicity	Less effective for proteins unless combined with oil emulsions	H 4397, T 2684