USP Reference Standards/ARMS to support various vaccine platforms

Vaccine type	Vaccine platform	Carrier protein	Identity	Molar mass and sizing standards			Formulation assessment	Impurities	
		CRM1971 2	PS NMR SS ² 🗷	Thyroglobulin 🗵	BSA 🗷	Pullulan	Squalene 🗷	Octoxynol-9 🗷	gDNA 🗷
Viral	Inactivated			х	х		Х	x	х
	Attenuated virus			х	х				х
Nucleic acid	Viral vector			х	х			х	Х
	mRNA		Х						х
	DNA		Х						
Isolated antigen presentation	Subunit	х	Х	х	х	х	Х	Х	х
	VLP			х	х	х	Х		

¹ CRM: Cross-Reacting Material 197



² PS NMR SS: Polysaccharide Nuclear Magnetic Resonance System Suitability

[☑] External link for additional information