USP Reference Standards/ARMS to support various vaccine platforms

Vaccine type	Vaccine platform	Carrier protein CRM197¹ 2	Identity PS NMR SS ²	Molar mass and sizing standards			Formulation assessment	Impurities	
				Thyroglobulin 🗷	BSA	Pullulan	Squalene	Octoxynol-9 🗷	gDNA
Viral	Inactivated			х	Х		Х	х	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
	VLP			х	Х	х			

¹ CRM: Cross-Reacting Material 197



² PS NMR SS: Polysaccharide Nuclear Magnetic Resonance System Suitability

[☑] External link for additional information