

Technical readiness levels defined



	Identify		Test				Implement		
	1	2	3	4	5	6	7	8	9
Technical Readiness Level (TRL)	Principles Observed	Concept Formulated	POC Defined	Lab Scale Demonstrated	Pilot Scale Demonstrated	Pilot Scale Prototype Demonstrated	Clinical Mfg Prototype Demonstrated	Actual System Demonstrated	Actual System Operational
Objective of Each Stage	<i>Basic principles observed and reported</i>	<i>Technology concept or application formulated</i>	<i>Experimental and analytical critical function + characteristic of POC</i>	<i>Concept demonstrated using model antigen in laboratory environment</i>	<i>Concept demonstrated using model antigen & pilot-scale environment</i>	<i>Prototype demonstrated using model antigen & pilot-scale environment</i>	<i>Prototype demonstrated using model antigen in clinical manufacturing environment</i>	<i>Actual system completed & demonstrated with "real" antigen(s)</i>	<i>Actual system in commercial operation for "real" antigen(s)</i>
	Lower PTRS					Higher PTRS			
Typical BMGF Team	D&TS or Biotech Accelerator		Vaccine Development				Commercialized, or PST / Immunization		
Typical Grant Type	Multiple Small Grants		Fewer Medium Sized Grants				Large grant or PRI		