CALIFORNIA STATE SCIENCE FAIR 2016 PROJECT SUMMARY

Name(s)	Project Number
Tanvir S. Mann	
Duciest Title	36256
Troject little	
Troubled Transfusion: Reactions between Anti	gens and Antibodies
Abstract	
Objectives/Goals	
The objective of the project is to resolve how different blood types, v factors react to other antibodies in their rates and severity of agglutit	with varying antigens and Rhesus
Methods/Materials	
Synthetic Blood +/-(A,B,AB,O), synthetic antibodies (A,B,AB) ma	nifying glass mixing slides,
(antigens) and antibodies on mixing slides.	Ruton between various blood types
Results	\searrow
The results of my experiment showed that the blood types reasted be antibodies. Those without the presence of the Phesus factor again time	e in various aggressions towards
small time of reaction, while their positive counterparts were fairly la	x. Lastly, blood types only formed
agglutination with their corresponding antibodies (at least one) while	opposites had no effect.
This science project shows the Rh factor and the type of intibody at	affect the rate and severity of
agglutination in a transfusion of multiple blood types. This can be im	plemented during the transfusion of
blood, or work involving the presence of blood, sich as physiology.	
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Summary Statement	
I elaborated on the subject of agglutination in blood types and their a	ntigens, providing consensus that the
Rh factor, as vell as the type of antibody involved, play drastic roles	in the reactions.
Help Received	
None; the science project [experiment] was both created and perform	ed by myself at home.