

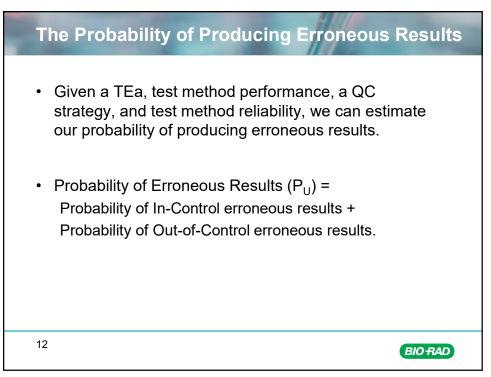
Severity of Harm Categories

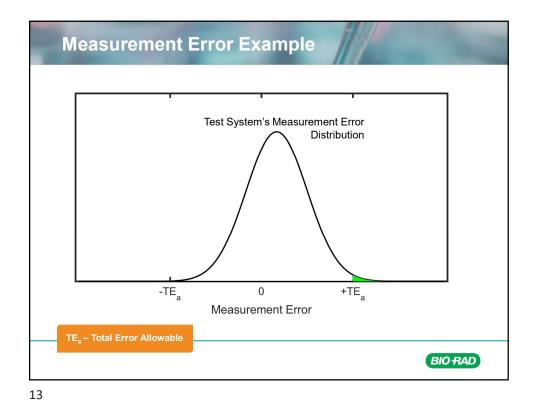
Severity of harm is described in terms of the severity of the consequence to the patient

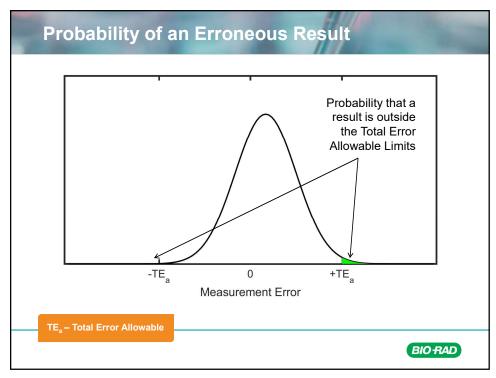
Inconvenience or temporary discomfort Temporary injury or impairment not requiring professional medical intervention	Negligible Minor
	Minor
Injury or impairment requiring professional medical intervention	Serious
Permanent impairment or life-threatening injury	Critical
Patient death	Catastrophic

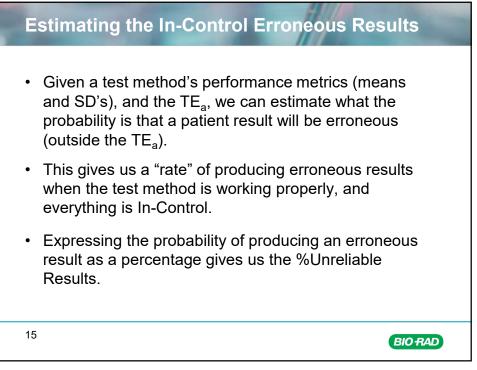
Acceptable Probability of Harm								
Severity of Harm Category	Acceptable Probability of Harm	Maximum Acceptable Rate	Maximum Acceptable Probability					
Negligible	Frequent	1 in 100	0.01					
Minor	Probable	1 in 1,000	0.001					
Serious	Occasional	1 in 10,000	0.0001					
Critical	Remote	1 in 100,000	0.00001					
Catastrophic	Improbable	1 in 1,000,000	0.000001					
10			BIO RAD					

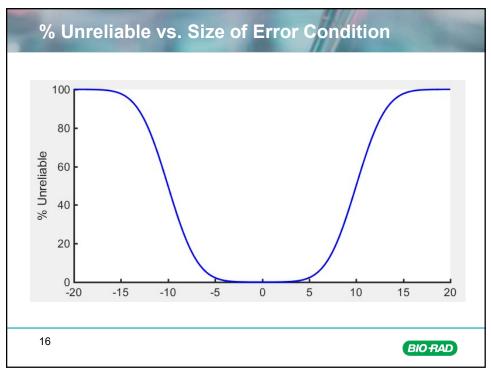
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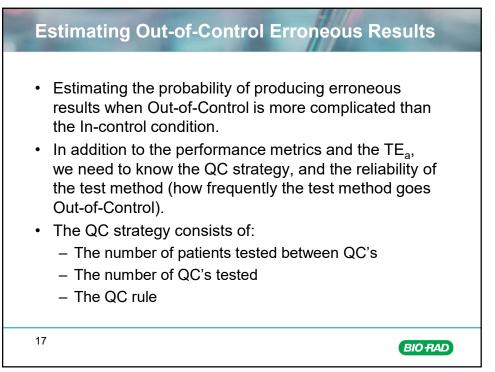


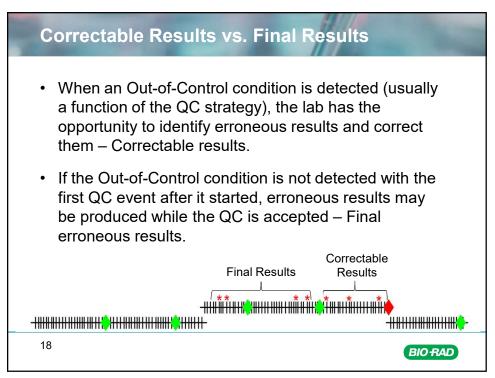


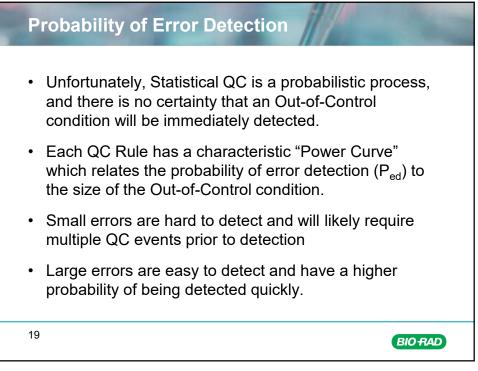


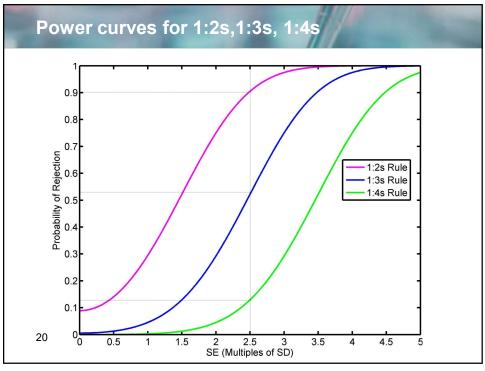


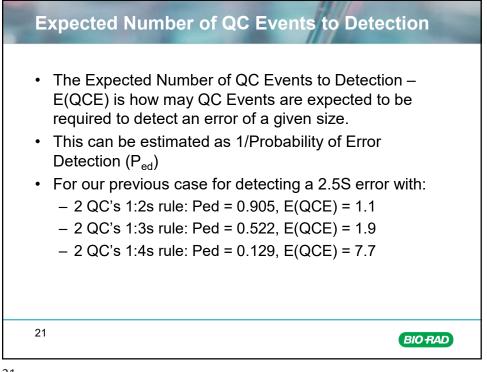


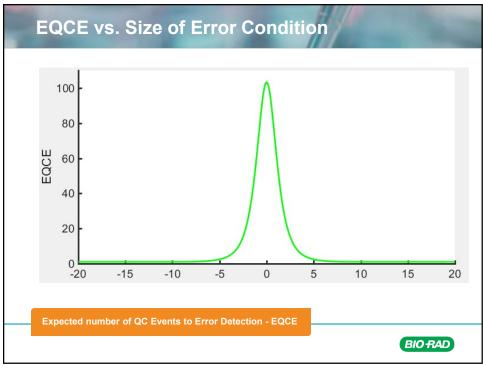


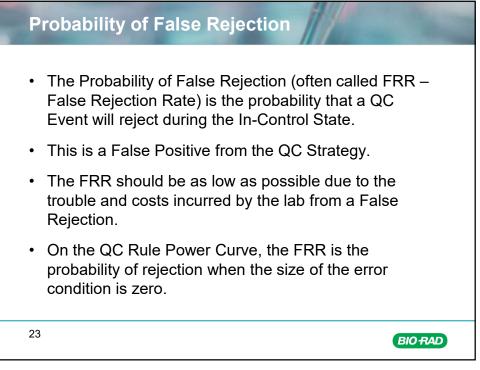


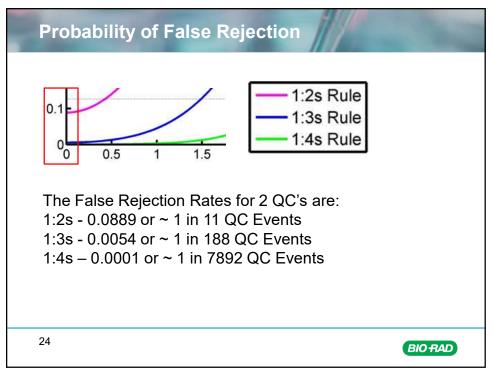


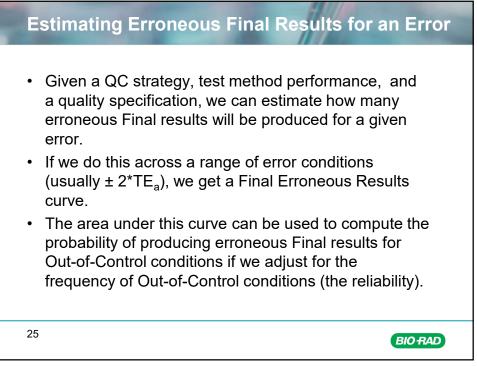


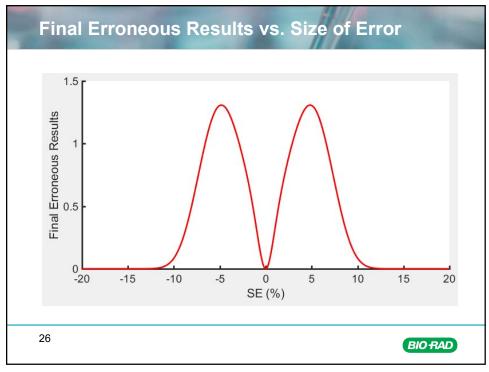














The Predicted Probability of Harm is computed by:

 $P_H = P_U * P_{h|u}$

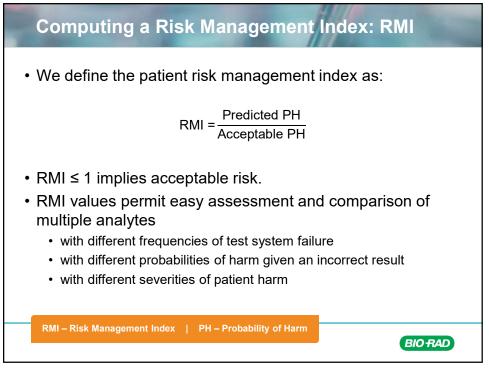
Where:

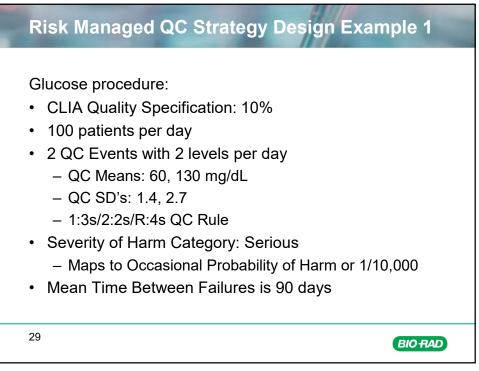
- P_H is the predicted probability of harm
- P_U is the probability of producing an erroneous result or the rate of producing erroneous results
- P_{h|u} is the conditional probability that an erroneous result causes patient harm. If P_{h|u} is 1 then the assumption is that every erroneous result causes patient harm.

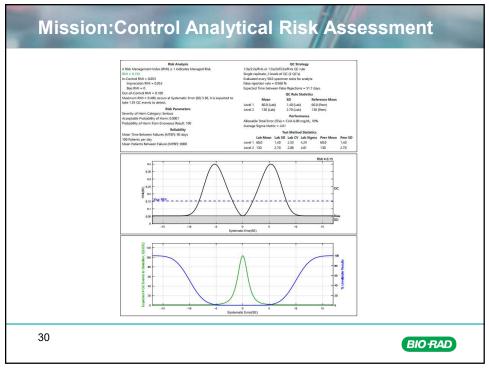
Does every erroneous albumin result cause patient harm?

BIO RAD

27

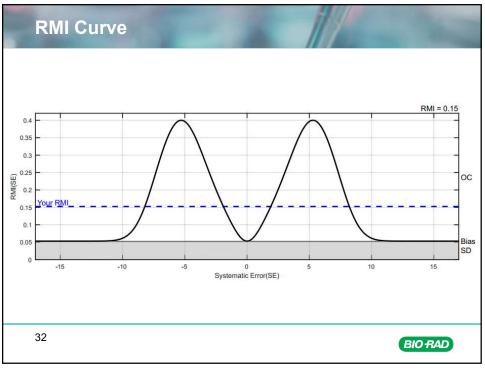


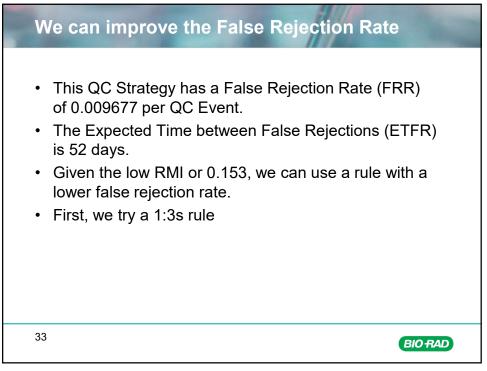






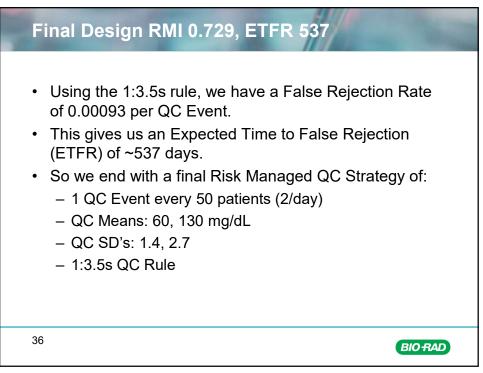


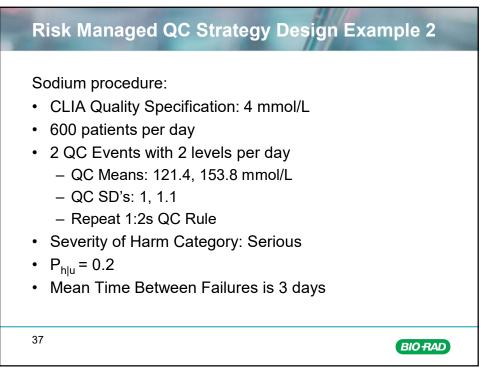


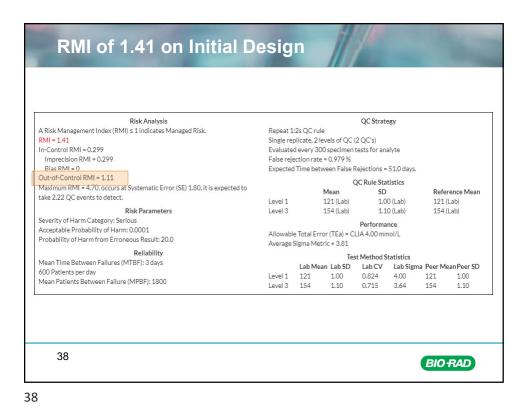


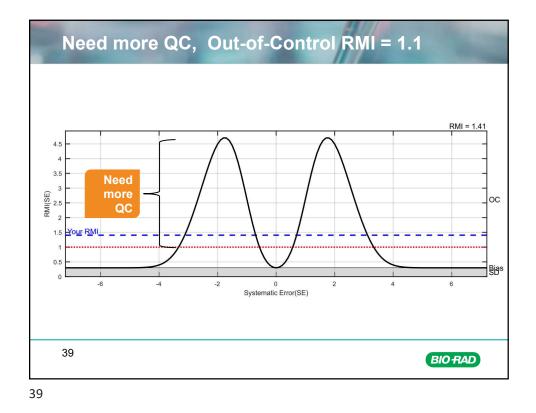
Glucose Serum/mg/dL/Hvokinase/Dedicated Reagent								n Vista X 148609
Level 1 Lab Mean 60	Lab SD 1.4	Peer Mean 60	Peer SD 1.4	TEa CLIA	v	Severity of Harm Serious	QC Per Day	
Level 2	CV: 2.33	Bias: 0	CV: 2.33	6.00 mg/dL, 10%		0.0001	2 Number of Patients	(00)
Lab Mean 130	Lab SD 2.7	Peer Mean 130	Peer SD 2.7	Frr: 0.005	Avg Sigma: 4.61	Ph u %	100	
Level 3	CV: 2.08	Bias: 0	CV: 2.08	ETfr: 92.7	RMI Budget: 1.05	100	QC Rules	
Lab Mean	Lab SD	Peer Mean	Peer SD	ICPU: 5.30e-6	Max ENuf: 0.641 Avg ENuf: 0.191		MTBF	
Level 4	CV: N/A	Bias: N/A	CV: N/A	- OCP0: 2.07e-5 AvgPoH: 2.60e-5	Max ENuc: 25.0		90	
Lab Mean	Lab SD	Peer Mean	Peer SD	5.5.g. 5 h 2000 5	Avg EQCE: 13.8			
RMI: 0.260								
0.200						CANCEL	ок	RERUN

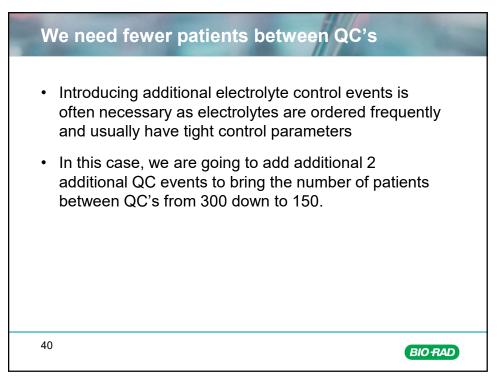
Glucose Serum/mg/dL/H	Hexokinase/Ded	icated Reagent					Siemens Dimensi	on Vista X 148609
Level 1 Lab Mean 60	Lab SD 1.4	Peer Mean 60	Peer SD	TEa CLIA		Severity of Harm Serious	QC Per Day	
Level 2 Lab Mean	CV: 2.33 Lab SD	Bias: 0 Peer Mean	CV: 2.33 Peer SD	6.00 mg/dL, 10% Frr: 9.30e-4	Avg Sigma: 4.61	0.0001 Ph u %	Z Number of Patients 100	: (ND)
130 Level 3 Lab Mean	<u>2.7</u> CV: 2.08 Lab SD	130 Bias: 0 Peer Mean	2.7 CV: 2.08 Peer SD	ETfr: 537	RMI Budget: 1.05 Max ENuf: 1.98	100	QC Rules 1:3.5s	
Level 4	CV: N/A	Bias: N/A	CV: N/A	- OCPU: 6.76e-5 AvgPoH: 7.29e-5	Avg ENuf: 0.652 Max ENuc: 25.0		MTBF 90	
Lab Mean	Lab SD	Peer Mean	Peer SD		Avg EQCE: 64.7			
RMI: 0.729						CANCEL	ок	RERUN











Sodium							Siemens Dimen	sion Vista X
	ISE indirect/Dedic	ated Reagent Peer Mean	Peer SD	TEa CLIA		Severity of Harm Serious	QC Per Day	148609
121.4 Level 2	1	<u>121.4</u> Bias: 0	1 CV: 0.824	4.00 mmol/L	Avg Sigma: 3.81	0.0001	- 4 Number of Patien	ts (ND)
Lab Mean	Lab SD	Peer Mean Bias: N/A	Peer SD CV: N/A	ETfr: 25.5	RMI Budget: 1.30	Ph]u % 20	QC Rules Repeat 1:2s	
Lab Mean 153.8	Lab SD 1.1 CV: 0.715	Peer Mean 153.8 Bias: 0	Peer SD 1.1 CV: 0.715	ICPU: 1.50e-4 OCPU: -5.42e-5	Max ENuf: 2.89 Avg ENuf: 0.849		MTBF 3	
Level 4 Lab Mean	Lab SD	Peer Mean	Peer SD	AvgPoH: 9.55e-5	Max ENuc: 74.9 Avg EQCE: 8.33			
RMI: 0.955]					CANCEL	ок	RERUN

