

Weighting Activity

	Current Weight	New Weight
Agent Characteristics (Wac)	30%	
Morbidity (Wmb)	30%	
Mortality (Wmr)	30%	

Consequence of Disease:

Values:

Agent Characteristics*Wac + Morbidity*Wmb + Mortality*Wmr =	
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Transmissibility (Wt)	50%	
Stability outside the host (Ws)	50%	

Likelihood of infection via Inhalation:

Values:

Inhalation Transmission (TI)*Wt + Stability outside the host*Ws =	
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Likelihood of infection via Percutaneous:

PercutaneousTransmission (TP)*Wt + Stability outside the host*Ws =	
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Likelihood of infection via Direct Contact:

Direct Contact Transmission (TG)*Wt + Stability outside the host*Ws =	
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Likelihood of infection via Ingestion:

Ingestion Transmission (TG)*Wt + Stability outside the host*Ws =	
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Route of Exposure (Wr)	50%	
Quantity of Material (Wq)	50%	

Likelihood of Inhalation Exposure:

Values:

Inhalation*Wr + Quality of Material*Wq =	
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Likelihood of Percutaneous Exposure:

Percutaneous*Wr + Quality of Material*Wq =	
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Likelihood of Direct Contact Exposure:

Contact*Wq + Quality of Material *Wq =	
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Likelihood of Ingestion Exposure:

Ingestion*Wr + Quality of Material*Wq =	
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Weighted RESULTS: Biosafety Risk for Individual performing in vitro work

Likelihood of Inhalation Exposure and Infection:

Values:

$\sqrt{(\text{Inhalation Exposure} * \text{Inhalation Likelihood of Infection})} =$

Likelihood of Percutaneous Exposure and Infection:

$\sqrt{(\text{Percutaneous Exposure} * \text{Percutaneous Likelihood of Infection})} =$

Likelihood of Direct Contact Exposure and Infection:

$\sqrt{(\text{Contact Exposure} * \text{Contact Likelihood of Infection})} =$

Likelihood of Ingestion Exposure and Infection:

$\sqrt{(\text{Ingestion Exposure} * \text{Ingestion Likelihood of Infection})} =$

Consequence of Disease:

To human host