Appendix G - Aerosol Cont. Report

Quality Control for Viable Infectious Sorting
The AMS table below shows critical values measured and tolerance ranges required at the time of every viable infectious sort. Gray areas represent data information input. This form documents instrument containment and is required by the VRC laboratory before **every** infectious sample is sorted. The second table shows monthly contamination checks. This record documents assures the sorting system is free of bacterial contamination.

Infectious Cell Sorting Aerosol Containment Documentation Table (Each Sort)

Operator				
Date				
Measurement	**Particles / Slide**			
Top of Sort Chamber		Containment Vacuum		*Inches of HoH*
		AeroTech Vacuum		*L/min*
		Particle Rate		*Particles/sec*
Positive Control				

Procedure (each sort) : See BSL-3 procedure.

Critical Tolerances for the AMS:

Vacuum Tolerance = Range between 1.0 –1.5 inches of HoH. Below this tolerance, replace tubing and HEPA filter.
Particles outside = Zero tolerance, no particles on entire slide. Any positive result must be investigated, resolved and retested before proceeding with infectious sort.
Particles inside (positive control) = Greater than 100 per slide (10x objective field, result may vary with slide location).

Blood Agar Results Table (Monthly QC)

Sample Area	**24 Hours**	**48 Hours**	**72 Hours**
Plenum			
Stream			
Sheath Tank			

Procedure (Monthly QC): samples are taken from three locations, known to have high potential for contamination; the plenum reservoir, the sheath tank and sample stream.