

FLETCHER ALLEN HEALTH CARE  
 PATHOLOGY AND LABORATORY MEDICINE  
 SUMMARY OF BLOOD CULTURES  
 JANUARY 1, 2010 THROUGH JUNE 30, 2010

Pathogens: Identification	# Cultures	# Patients	Time to Detection (Hrs)
MSSA	117	62	23
Escherichia coli	78	38	17
Coagulase Negative Staphylococcus	73	31	22
Klebsiella spp.	37	21	18
MRSA	33	24	24
Enterococcus sp.	25	13	16
Candida spp.	20	11	39
Enterobacter spp.	19	10	19
Streptococcus pneumoniae	15	9	14
Viridans Streptococci	13	6	19
Proteus mirabilis	13	7	19
Pseudomonas sp.	11	7	25
Streptococcus bovis	10	5	28
Group B Beta Strep	8	6	17
Serratia marcescens	8	4	22
VRE	7	7	21
Group A Beta Strep	7	4	11
Bacillus spp. not anthracis	6	1	17
Haemophilus spp.	5	3	35
Miscellaneous	55	37	--

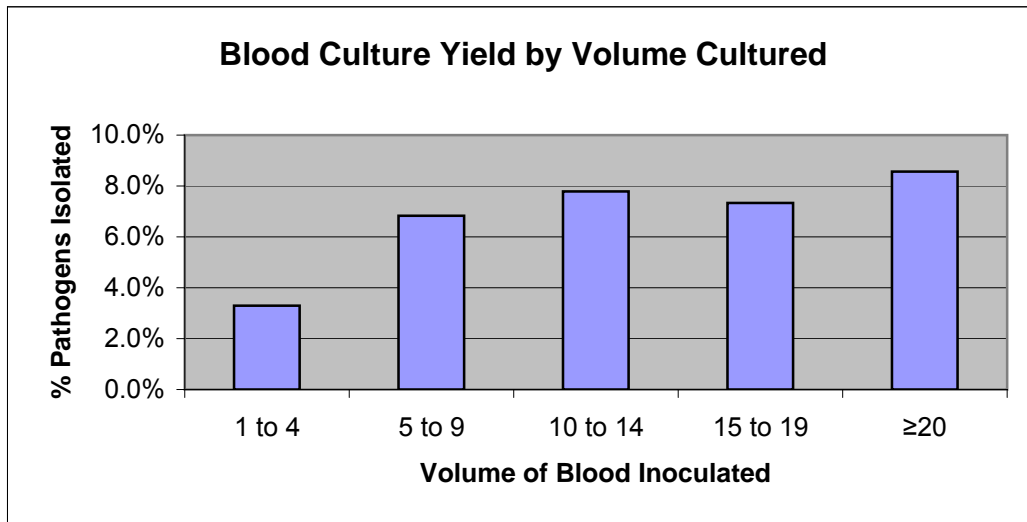
Stated Blood Volume (See Graph Below)			
ML	Number	# Contam	% Contam
1 to 4	273	4	1.5%
5 to 9	205	5	2.4%
10 to 14	1131	25	2.2%
15 to 19	150	3	2.0%
≥20	969	38	3.9%
ML	# Pathogen	% Pathogen	
1 to 4	9	3.3%	
5 to 9	14	6.8%	
10 to 14	88	7.8%	
15 to 19	11	7.3%	
≥20	83	8.6%	
ML	# Phlebotomist	% Phlebotomist	
1 to 4	131	48.0%	
5 to 9	96	46.8%	
10 to 14	612	54.1%	
15 to 19	83	55.3%	
≥20	472	48.7%	

Results by Site	B003	B004	B005	B006	ED	HDIA	M003	M004
Pathogens	11	37	9	26	231	25	33	54
"Contaminants"	4	11	--	9	44	0	16	33
Indeterminate	0	5	5	0	9	0	4	5
Negative	131	411	122	252	2221	34	355	861
Total Cultures	146	464	136	287	2505	59	408	953
% Pathogens	7.5%	8.0%	6.6%	9.1%	9.2%	42.4%	8.1%	5.7%
% Indeterminate	0.0%	1.1%	3.7%	0.0%	0.4%	0.0%	1.0%	0.5%
<b>% Contaminants</b>	<b>2.7%</b>	<b>2.4%</b>	<b>--</b>	<b>3.1%</b>	<b>1.8%</b>	<b>0.0%</b>	<b>3.9%</b>	<b>3.5%</b>

Recommended Upper Limit For % Contaminated Cultures = 3%.

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Results by Site	M005	M006	MDYL	NICU	SB03	SB04	UONC	Grand Total
Pathogens	54	4	3	1	2	34	7	531
"Contaminants"	11	5	3	--	1	10	1	148
Indeterminate	0	7	1	2	1	3	2	44
Negative	480	140	69	174	93	358	56	5757
Total Cultures	545	155	76	177	97	405	66	6479
% Pathogens	9.9%	2.6%	3.9%	0.6%	2.1%	8.4%	10.6%	8.2%
% Indeterminate	0.0%	4.5%	1.3%	1.1%	1.0%	0.7%	3.0%	0.7%
<b>% Contaminants</b>	<b>2.0%</b>	<b>3.2%</b>	<b>3.9%</b>	<b>--</b>	<b>1.0%</b>	<b>2.5%</b>	<b>1.5%</b>	<b>2.3%</b>
Recommended Upper Limit For % Contaminated Cultures = 3%.								
Single Blood Cultures by Site	B003	B004	B005	B006	ED	HDIA	M003	M004
Single Culture	10	36	19	11	199	1	31	51
Total Cultures	146	464	136	287	2221	34	408	953
% Single Cultures	6.8%	7.8%	14.0%	3.8%	9.0%	2.9%	7.6%	5.4%
Single Blood Cultures by Site	M005	M006	MDYL	SB03	SB04	UONC		
Single Culture	30	7	1	7	20	16		
Total Cultures	545	155	76	97	405	66		
% Single Cultures	5.5%	4.5%	1.3%	7.2%	4.9%	24.2%		
Suggested Upper Limit for % Single Cultures = 5%								



Increased Yield from 1 to 5 ml to  
 ≥20ml = 160%

Increased Yield from 10-14 ml to  
 ≥20 ml = 10%