

Table 2: Culture Data for Clinical Specimens Statistically Analyzed

Laboratory	Specimens	Plates			Broth			AnaS		
		NG	Facult	Ana	NG	Facult	Ana	NG	Facult	Ana
Norton (Chamber)	122	59	55	8	45	67	10	64	43	15
MidMichigan (OxyPlate)	30	5	20	5	5	25	0	9	18	3
Kettering (OxyPlate)	20	5	15	0	5	15	0	5	13	2
Piedmont (Anoximat)	19	16	3	0	13	6	0	17	2	0
Total	191	85	93	13	68	113	10	95	76	20
Specimens (vs AnaS)		NS	NS	NS	***	***	NS			
Anaerobes (vs AnaS)	22			**			***			

1. The designation Plates, Broth, and AnaS indicate the primary step for culturing the specimen. The Broth included Chopped Meat Broth or Thioglycolate Broth which were inoculated to plates after 48 hr incubation. The AnaS was BHI Broth to which AnaSelect Oxyrase for Broth was added. It too was inoculated to plates after 48 hr incubation. The method of anaerobic incubation is identified for each laboratory.

2. Plates from specimens were scored for statistical purposes as No Growth (NG); Facultative (Facult) when no anaerobe was present; or Anaerobe (Ana) when one or more anaerobes were isolated. For Facultative, one or more identifiable microbes were present on the plates. For Anaerobe, one or more facultative microbe and one or more anaerobe was present.

3. A Student t Test analysis was done with results indicated: NS = not significant; ** = significant at 5%; or ***= significant at 1%. A total of 22 Anaerobes were isolated by all methods. They were treated as an independent group for statistical analysis.