

MEDICAL LABORATORY EVALUATION

PARTICIPANT SUMMARY

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Total Commitment to Education and Service
Provided by ACP Services, Inc.

Immunology
MLE – B3

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2003 Evaluation Criteria

The evaluation criteria used in the 2003 MLE Program is in accordance with the Clinical Laboratory Improvement Amendments of 1988 (CLIA '88) federal requirements for proficiency testing. The criteria are included below.

Qualitative

For qualitative procedures, evaluation is based on participant consensus. A minimum percentage of participants must receive a passing score or the challenge is not evaluated due to lack of consensus. These percentages are listed below.

Infectious Mononucleosis	80% Participant Consensus
Rheumatoid Factor	80% Participant Consensus
Anti-Streptolysin O (ASO)	80% Participant Consensus
Antinuclear Antibody (ANA)	80% Participant Consensus
C-Reactive Protein	80% Participant Consensus
Rubella Antibody	80% Participant Consensus
H. <i>pylori</i> Antibody Detection	80% Participant Consensus
Total IgE	80% Participant Consensus
Diagnostic Allergy	Not Evaluated
Syphilis Serology	80% Participant Consensus
Viral Markers	80% Participant Consensus

Quantitative

For quantitative procedures, a mean and standard deviation (SD) are calculated for each peer group consisting of 10 or more laboratories. Acceptable performance is established based on a target value \pm the intervals below. An explanation on how to calculate the range of acceptability based upon these limits is also provided in your MLE Program Guide on pages 44-45 under the heading "Acceptable Ranges for Quantitative Results."

Rheumatoid Factor (Titer)	Not Evaluated
Rheumatoid Factor (International Units)	Not Evaluated
Anti-Streptolysin O (ASO) Titer	Not Evaluated
Complement C3	Peer Group Mean \pm 3 SD
Complement C4	Peer Group Mean \pm 3 SD
Antinuclear Antibody (ANA) Titer	Not Evaluated
C-Reactive Protein	Peer Group Mean \pm 3 SD
Rubella (International Units)	Not Evaluated
Total IgE	Peer Group Mean \pm 3 SD
Total IgA	Peer Group Mean \pm 3 SD
Total IgG	Peer Group Mean \pm 25%
Total IgM	Peer Group Mean \pm 3 SD

Infectious Mononucleosis (cont'd)

<u>Method</u>	<u>Specimen IM-14</u>		<u>Specimen IM-15</u>	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
Quidel Quick Vue+	-	75	75	-
Quidel Quick Vue+ - waived	-	23	23	-
Remel RIM A.R.C.	-	1	1	-
Seradyn	-	34	34	-
Seradyn Color Q – (whole blood)	-	4	4	-
Stanbio	-	1	1	-
Wampole ColorCard	-	16	16	-
Wampole Mono-Latex	-	8	8	-
Wampole Mono-Plus	-	34	34	-
Wampole Mono-Plus (whole blood)	-	12	12	-
Wampole Mono-Test	-	6	6	-

Rheumatoid Factor—Qualitative

<u>Method</u>	<u>Specimen RF-11</u>		<u>Specimen RF-12</u>		<u>Specimen RF-13</u>	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	2	136	139	1	1	139
Ampcor	-	1	1	-	-	1
ASI	-	5	5	-	-	5
Beckman Array	-	4	4	-	-	4
Beckman Synchron	-	3	3	-	-	3
Becton Dickinson	-	1	1	-	-	1
Behring RapiTex-Plate method	-	5	5	-	-	5
Biokit Rheumagen	-	1	1	-	-	1
Biokit Rheumajet	-	5	5	-	-	5
BMH 717	-	1	1	-	-	1
Diagnostic Technology	-	2	2	-	-	2
Fisher HealthCare Sure-Vue	-	12	13	-	-	13
Immunostics Inc.	-	2	2	-	-	2
J&S Medical Assoc. Accutex	-	3	3	-	-	3
Pulse Scientific	1	1	2	-	1	1
Seradyn	-	55	56	-	-	56
Stanbio	-	2	2	-	-	2
Sterling Diagnostics, Inc.	-	2	2	-	-	2
Wampole	-	1	1	-	-	1
Wampole Rheumatex	-	7	1	-	-	7
Wampole Rheumaton	1	18	18	1	-	19

Rheumatoid Factor—Qualitative (cont'd)

<u>Method</u>	<u>Specimen RF-14</u>		<u>Specimen RF-15</u>	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	139	1	-	140
Ampcor	1	-	-	1
ASI	5	-	-	5
Beckman Array	4	-	-	4
Beckman Synchron	3	-	-	3
Becton Dickinson	1	-	-	1
Behring RapiTex-Plate method	5	-	-	5
Biokit Rheumagen	1	-	-	1
Biokit Rheumajet	5	-	-	5
BMH 717	1	-	-	1
Diagnostic Technology	2	-	-	2
Fisher HealthCare Sure-Vue	13	-	-	13
Immunostics Inc.	2	-	-	2
J&S Medical Assoc. Accutex	3	-	-	3
Pulse Scientific	2	-	-	2
Seradyn	56	-	-	56
Stanbio	2	-	-	2
Sterling Diagnostics, Inc.	2	-	-	2
Wampole	1	-	-	1
Wampole Rheumatex	7	-	-	7
Wampole Rheumaton	18	1	-	19

Rheumatoid Factor—Quantitative (Titer)

This portion is not evaluated. Results reported are as follows:

<u>Specimen/Method</u>	<u>2/4</u>	<u>8/10</u>	<u>16/20</u>	<u>32/40</u>	<u>64/80</u>	<u>128/160</u>	<u>256/320</u>	<u>512/640</u>	<u>1024/1280</u>	<u>2048/2560</u>	<u>>2560</u>
Specimen RF-11											
All Methods	20	5	4	2	1	-	-	1	-	-	-
Beckman Synchron	-	-	-	1	-	-	-	1	-	-	-
Becton Dickinson	-	-	1	-	-	-	-	-	-	-	-
Behring RapiTex - Plate method	1	-	-	-	-	-	-	-	-	-	-
Biokit Rheumajet	1	-	-	-	1	-	-	-	-	-	-
Fisher HealthCare Sure-Vue	7	2	-	-	-	-	-	-	-	-	-
Immunostics Inc.	-	1	-	-	-	-	-	-	-	-	-
Pulse Scientific	1	-	-	-	-	-	-	-	-	-	-
Seradyn	9	2	1	1	-	-	-	-	-	-	-
Sterling Diagnostics, Inc.	1	-	-	-	-	-	-	-	-	-	-
Wampole Rheumatex	-	-	2	-	-	-	-	-	-	-	-

Rheumatoid Factor—Quantitative (Titer) (cont'd)

<u>Specimen/Method</u>	<u>2/ 4</u>	<u>8/ 10</u>	<u>16/ 20</u>	<u>32/ 40</u>	<u>64/ 80</u>	<u>128/ 160</u>	<u>256/ 320</u>	<u>512/ 640</u>	<u>1024/ 1280</u>	<u>2048/ 2560</u>	<u>>2560</u>
Specimen RF-13											
All Methods	22	3	5	1	1	-	-	1	-	-	-
Beckman Synchron	-	-	-	1	-	-	-	1	-	-	-
Becton Dickinson	-	-	1	-	-	-	-	-	-	-	-
Behring RapiTex - Plate method	1	-	-	-	-	-	-	-	-	-	-
Biokit Rheumajet	1	-	-	-	1	-	-	-	-	-	-
Fisher HealthCare Sure-Vue	6	3	-	-	-	-	-	-	-	-	-
Immunostics Inc.	1	-	-	-	-	-	-	-	-	-	-
Pulse Scientific	1	-	-	-	-	-	-	-	-	-	-
Seradyn	11	-	2	-	-	-	-	-	-	-	-
Sterling Diagnostics, Inc.	1	-	-	-	-	-	-	-	-	-	-
Wampole Rheumatex	-	-	2	-	-	-	-	-	-	-	-

Specimen RF-15

All Methods	20	5	4	2	-	1	-	1	-	-	-
Beckman Synchron	-	-	-	1	-	-	-	1	-	-	-
Becton Dickinson	-	-	1	-	-	-	-	-	-	-	-
Behring RapiTex - Plate method	1	-	-	-	-	-	-	-	-	-	-
Biokit Rheumajet	1	-	-	-	-	1	-	-	-	-	-
Fisher HealthCare Sure-Vue	7	2	-	-	-	-	-	-	-	-	-
Immunostics Inc.	-	1	-	-	-	-	-	-	-	-	-
Pulse Scientific	-	1	-	-	-	-	-	-	-	-	-
Seradyn	10	1	1	1	-	-	-	-	-	-	-
Sterling Diagnostics, Inc.	1	-	-	-	-	-	-	-	-	-	-
Wampole Rheumatex	-	-	2	-	-	-	-	-	-	-	-

Rheumatoid Factor—Quantitative (IU)

This portion is not evaluated. Results reported are as follows:

<u>Specimen/Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Low Value</u>	<u>High Value</u>
Specimen RF-11							
All Methods	18	56.6	20.3	35.8	62	27	94
Beckman Array	6	-	-	-	64	61	66
Beckman Synchron	4	-	-	-	85	77	94
Specimen RF-13							
All Methods	19	55.7	22.9	41.0	64	20	94
Beckman Array	6	-	-	-	65	55	67
Beckman Synchron	4	-	-	-	85	76	94
Specimen RF-15							
All Methods	19	61.1	21.7	35.6	64	24	96
Beckman Array	6	-	-	-	64	57	68
Beckman Synchron	4	-	-	-	84	76	96

Anti-Streptolysin O (ASO)—Qualitative

<u>Method</u>	Specimen AS-11		Specimen AS-12		Specimen AS-13	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	-	9	9	-	-	9
Beckman Nephelometer	-	1	1	-	-	1
Behring RapiTex	-	3	3	-	-	3
Fisher HealthCare Sure-Vue	-	2	2	-	-	2
J&S Medical Assoc. Accutex	-	1	1	-	-	1
Wampole	-	2	2	-	-	2

<u>Method</u>	Specimen AS-14		Specimen AS-15	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	9	-	1	8
Beckman Nephelometer	1	-	-	1
Behring RapiTex	3	-	-	3
Fisher HealthCare Sure-Vue	2	-	-	2
J&S Medical Assoc. Accutex	1	-	-	1
Wampole	2	-	1	1

Anti-Streptolysin O (ASO)—Quantitative

This portion is not evaluated. Results reported are as follows:

<u>Specimen/Method</u>	Todd Units / International Units								Streptozyme	
	<u>≤50</u>	<u>100</u>	<u>125</u>	<u>166-200</u>	<u>250-300</u>	<u>333-400</u>	<u>500-600</u>	<u>800-833</u>	<u>100-200</u>	<u>400-800</u>
Specimen AS-11										
All Methods	-	-	-	-	-	1	1	1	1	2
Beckman Nephelometer	-	-	-	-	-	-	1	-	-	-
Behring RapiTex	-	-	-	-	-	-	-	1	-	1
Fisher HealthCare Sure-Vue	-	-	-	-	-	1	-	-	1	-
Wampole	-	-	-	-	-	-	-	-	-	1
Specimen AS-13										
All Methods	-	-	-	-	-	1	1	1	-	3
Beckman Nephelometer	-	-	-	-	-	-	1	-	-	-
Behring RapiTex	-	-	-	-	-	-	-	1	-	1
Fisher HealthCare Sure-Vue	-	-	-	-	-	1	-	-	-	1
Wampole	-	-	-	-	-	-	-	-	-	1
Specimen AS-15										
All Methods	-	-	-	-	-	-	1	2	1	2
Beckman Nephelometer	-	-	-	-	-	-	1	-	-	-
Behring RapiTex	-	-	-	-	-	-	-	1	-	1
Fisher HealthCare Sure-Vue	-	-	-	-	-	-	-	1	1	-
Wampole	-	-	-	-	-	-	-	-	-	1

Complement C3 (mg/dL)

<u>Specimen/Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Low Value</u>	<u>High Value</u>
Specimen COM-11							
All Methods	14	63.7	6.4	10.1	62	56	79
Beckman Array	4	-	-	-	63	56	66
Beckman Synchron	3	-	-	-	59	57	61
DiaSorin (INCSTAR)	4	-	-	-	62	60	62
Specimen COM-12							
All Methods	13	32.7	15.2	46.3	27	20	78
Beckman Array	4	-	-	-	27	23	28
Beckman Synchron	3	-	-	-	23	20	24
DiaSorin (INCSTAR)	3	-	-	-	38	27	38
Specimen COM-13							
All Methods	14	82.2	14.2	17.3	79	70	124
Beckman Array	4	-	-	-	77	70	80
Beckman Synchron	3	-	-	-	76	72	79
DiaSorin (INCSTAR)	4	-	-	-	77	74	79
Specimen COM-14							
All Methods	14	139.4	23.7	17.0	136	109	205
Beckman Array	4	-	-	-	149	136	159
Beckman Synchron	3	-	-	-	136	125	147
DiaSorin (INCSTAR)	4	-	-	-	121	109	127
Specimen COM-15							
All Methods	13	28.5	6.8	23.7	27	20	41
Beckman Array	4	-	-	-	26	23	28
Beckman Synchron	3	-	-	-	22	20	22
DiaSorin (INCSTAR)	3	-	-	-	38	27	38

Complement C4 (mg/dL)

<u>Specimen/Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Low Value</u>	<u>High Value</u>
Specimen COM-11							
All Methods	13	18.9	2.9	15.2	19	12	24
Beckman Array	4	-	-	-	21	19	21
Beckman Synchron	3	-	-	-	19	12	20
DiaSorin (INCSTAR)	4	-	-	-	18	16	20
Specimen COM-12							
All Methods	7	-	-	-	4	2	10

Complement C4 (mg/dL) (cont'd)

<u>Specimen/Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Low Value</u>	<u>High Value</u>
Specimen COM-13							
All Methods	11	9.3	2.5	26.5	8	7	14
Beckman Synchron	3	-	-	-	8	7	14
DiaSorin (INCSTAR)	4	-	-	-	9	7	11
Specimen COM-14							
All Methods	14	32.2	8.8	27.4	30	22	46
Beckman Array	4	-	-	-	44	41	46
Beckman Synchron	3	-	-	-	26	24	35
DiaSorin (INCSTAR)	4	-	-	-	24	22	27
Specimen COM-15							
All Methods	7	-	-	-	4	2	10

Antinuclear Antibody (ANA)—Qualitative

<u>Method</u>	<u>Specimen AN-11</u>		<u>Specimen AN-12</u>		<u>Specimen AN-13</u>	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	21	2	18	5	21	2
ASI	1	-	1	-	1	-
Diagnostic Technology	7	-	3	4	7	-
GenBio ImmunoDOT	1	-	1	-	1	-
Immuno Concepts	3	-	3	-	3	-
INOVA Diagnostics	1	1	2	-	1	1
Kallestad	4	-	4	-	4	-
Pulse Scientific	-	1	1	-	-	1
Sanofi IFA	1	-	1	-	1	-
Wampole Impact	1	-	-	1	1	-
Zeus	1	-	1	-	1	-

<u>Method</u>	<u>Specimen AN-14</u>		<u>Specimen AN-15</u>	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	21	2	15	8
ASI	1	-	1	-
Diagnostic Technology	7	-	3	4
GenBio ImmunoDOT	1	-	1	-
Immuno Concepts	3	-	3	-
INOVA Diagnostics	1	1	2	-
Kallestad	4	-	4	-
Pulse Scientific	1	-	-	1
Sanofi IFA	1	-	-	1
Wampole Impact	1	-	-	1
Zeus	1	-	1	-

Antinuclear Antibody (ANA)^{3/4}Quantitative (Titer)

This portion is not evaluated. Titers reported are as follows:

<u>Specimen/Method</u>	<u>8/ 10</u>	<u>16/ 20</u>	<u>32/ 40</u>	<u>64/ 80</u>	<u>128/ 160</u>	<u>256/ 320</u>	<u>512/ 640</u>	<u>1024/ 1280</u>	<u>2048/ 2560</u>	<u>≥2560</u>
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Specimen AN-12

All Methods	1	-	-	-	-	-	-	-	-	-
Diagnostic Technology	1	-	-	-	-	-	-	-	-	-

Specimen AN-15

All Methods	1	-	-	-	-	-	-	-	-	-
Diagnostic Technology	1	-	-	-	-	-	-	-	-	-

C-Reactive Protein^{3/4}Qualitative

<u>Method</u>	<u>Specimen CR-5</u>		<u>Specimen CR-6</u>	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	-	14	14	-
ASI	-	1	1	-
Behring RapiTex	-	2	2	-
Biokit Rheumajet	-	1	1	-
Dade Dimension/AR/ES/RxL/Xpand	-	1	1	-
Pulse Scientific	-	2	2	-
Seradyn	-	2	2	-
VITROS 250,400,500,700,750,950	-	1	1	-
Wampole	-	2	2	-

C-Reactive Protein^{3/4}Quantitative (mg/dL)

<u>Specimen/Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Low Value</u>	<u>High Value</u>
Specimen CR-5							
All Methods	70	4.800	6.509	135.6	2.00	0.04	21.45
Beckman Synchron	9	-	-	-	1.40	1.40	16.00
Dade Dimension High Sensi CRP	6	-	-	-	1.83	1.63	2.07
Dade Dimension/AR/ES/RxL/Xpand	4	-	-	-	2.05	2.00	19.00
DiaSorin (INCSTAR)	4	-	-	-	2.07	1.96	21.45
DPC – Immulite	3	-	-	-	2.28	2.20	2.32
Kamiya Biomedical hs-CRP	-	-	-	-	-	-	-
Pointe Scientific CRP (HS)	3	-	-	-	2.18	0.04	2.24
Polymedco Ultra CRP	17	5.834	7.172	122.9	2.23	0.26	21.00
Roche Cobas/INCSTAR Rgt	4	-	-	-	10.43	1.00	19.60

C-Reactive Protein^{3/4}Quantitative (mg/dL) (cont'd)

<u>Specimen/Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Low Value</u>	<u>High Value</u>
Specimen CR-6							
All Methods	47	0.180	0.247	137.0	0.05	0.01	1.31
Beckman Synchron	3	-	-	-	0.02	0.02	0.02
Dade Dimension High Sensi CRP	4	-	-	-	0.07	0.02	0.12
Dade Dimension/AR/ES/RxL/Xpand	-	-	-	-	-	-	-
DiaSorin (INCSTAR)	-	-	-	-	-	-	-
DPC – Immulite	3	-	-	-	0.03	0.03	0.03
Kamiya Biomedical hs-CRP	3	-	-	-	0.03	0.02	0.32
Pointe Scientific CRP (HS)	-	-	-	-	-	-	-
Polymedco Ultra CRP	21	0.217	0.177	81.6	0.22	0.01	0.51
Roche Cobas/INCSTAR Rgt	3	-	-	-	0.80	0.02	2.18

Rubella^{3/4}Qualitative

<u>Method</u>	<u>Specimen RU-11</u>		<u>Specimen RU-12</u>		<u>Specimen RU-13</u>	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	-	12	-	12	11	1
Abbott AxSYM	-	1	-	1	1	-
Abbott IMx	-	1	-	1	1	-
Becton Dickinson	-	1	-	1	1	-
Biokit	-	1	-	1	1	-
bioMerieux Vitek, Mini Vidas	-	4	-	4	4	-
Seradyn	-	2	-	2	1	1
	<u>Specimen RU-14</u>		<u>Specimen RU-15</u>			
All Methods	12	-	-	12		
Abbott AxSYM	1	-	-	1		
Abbott IMx	1	-	-	1		
Becton Dickinson	1	-	-	1		
Biokit	1	-	-	1		
bioMerieux Vitek, Mini Vidas	4	-	-	4		
Seradyn	2	-	-	2		

Rubella^{3/4}Quantitative (IU/mL)

This portion is not evaluated. Results reported are as follows:

<u>Specimen/Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Low Value</u>	<u>High Value</u>
Specimen RU-11							
All Methods	5	-	-	-	42.0	33.6	56.8
Abbott AxSYM	4	-	-	-	38.8	33.6	52.0
Specimen RU-12							
All Methods	5	-	-	-	49.7	38.2	59.0
Abbott AxSYM	4	-	-	-	47.3	38.2	59.0

Rubella^{3/4}Quantitative (IU/mL) (cont'd)

This portion is not evaluated. Results reported are as follows:

<u>Specimen/Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Low Value</u>	<u>High Value</u>
Specimen RU-15							
All Methods	5	-	-	-	45.0	35.0	54.0
Abbott AxSYM	4	-	-	-	44.5	35.0	54.0

Total IgE^{3/4}Quantitative (U/mL)

<u>Specimen/Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Low Value</u>	<u>High Value</u>
Specimen AL-11							
All Methods	9	-	-	-	288	257	378
Hycor EIA	2	-	-	-	334	290	378
Pharmacia & Upjohn Unicap 100	7	-	-	-	285	257	293

Specimen AL-12

All Methods	9	-	-	-	456	402	552
Hycor EIA	2	-	-	-	534	515	552
Pharmacia & Upjohn Unicap 100	7	-	-	-	454	402	468

Specimen AL-13

All Methods	9	-	-	-	50	43	52
Hycor EIA	2	-	-	-	52	51	52
Pharmacia & Upjohn Unicap 100	7	-	-	-	49	43	52

Specimen AL-14

All Methods	9	-	-	-	28	23	33
Hycor EIA	2	-	-	-	33	32	33
Pharmacia & Upjohn Unicap 100	7	-	-	-	28	23	29

Specimen AL-15

All Methods	9	-	-	-	50	43	74
Hycor EIA	2	-	-	-	62	50	74
Pharmacia & Upjohn Unicap 100	7	-	-	-	50	43	55

Allergen Specific IgE Antibodies

Specimen AL-11

	Maple (Box Elder) Allergen CLASS RESULT							Perennial Rye Allergen CLASS RESULT						
	0	1	2	3	4	5	6	0	1	2	3	4	5	6
All Methods	-	-	10	-	-	-	-	-	-	-	2	3	1	-
Hycor EIA	-	-	2	-	-	-	-	-	-	-	-	-	1	-
Pharmacia & Upjohn CAP (% ref)	-	-	2	-	-	-	-	-	-	-	-	1	-	-
Pharmacia & Upjohn-Mod. RAST	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Pharmacia UniCap 100 (% ref)	-	-	5	-	-	-	-	-	-	-	-	2	-	-
Pharmacia & Upjohn CAP 100 (KU/L)	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	Cat Epithelium Allergen CLASS RESULT							Bermuda Grass Allergen CLASS RESULT						
	0	1	2	3	4	5	6	0	1	2	3	4	5	6
All Methods	-	-	-	4	11	-	-	-	-	2	8	2	-	-
Hycor EIA	-	-	-	-	2	-	-	-	-	-	-	2	-	-
Pharmacia & Upjohn CAP (% ref)	-	-	-	-	3	-	-	-	-	-	2	-	-	-
Pharmacia & Upjohn-Mod. RAST	-	-	-	1	-	-	-	-	-	-	1	-	-	-
Pharmacia UniCap 100 (% ref)	-	-	-	-	5	-	-	-	-	-	4	-	-	-
Pharmacia & Upjohn CAP 100 (KU/L)	-	-	-	2	-	-	-	-	-	1	-	-	-	-
	Dust Mite Allergen CLASS RESULT							English Plantain Allergen CLASS RESULT						
	0	1	2	3	4	5	6	0	1	2	3	4	5	6
All Methods	5	9	-	1	-	-	-	1	6	4	-	-	-	-
Hycor EIA	-	2	-	-	-	-	-	-	-	2	-	-	-	-
Pharmacia & Upjohn CAP (% ref)	-	3	-	-	-	-	-	-	1	2	-	-	-	-
Pharmacia & Upjohn-Mod. RAST	1	-	-	-	-	-	-	-	1	-	-	-	-	-
Pharmacia UniCap 100 (% ref)	2	3	-	-	-	-	-	-	3	-	-	-	-	-
Pharmacia & Upjohn CAP 100 (KU/L)	2	-	-	-	-	-	-	1	1	-	-	-	-	-
	Common Ragweed Allergen CLASS RESULT													
	0	1	2	3	4	5	6							
All Methods	-	-	-	4	10	-	-							
Hycor EIA	-	-	-	-	2	-	-							
Pharmacia & Upjohn CAP (% ref)	-	-	-	-	3	-	-							
Pharmacia & Upjohn-Mod. RAST	-	-	-	1	-	-	-							
Pharmacia UniCap 100 (% ref)	-	-	-	-	5	-	-							
Pharmacia & Upjohn CAP 100 (KU/L)	-	-	-	2	-	-	-							

Allergen Specific IgE Antibodies (cont'd)

Specimen AL-12

	Cat Epithelium Allergen							White Oak Allergen						
	CLASS RESULT							CLASS RESULT						
	0	1	2	3	4	5	6	0	1	2	3	4	5	6
All Methods	-	-	-	4	11	-	-	-	-	4	8	-	-	-
Hycor EIA	-	-	-	-	2	-	-	-	-	-	2	-	-	-
Pharmacia & Upjohn CAP (% ref)	-	-	-	-	3	-	-	-	-	-	1	-	-	-
Pharmacia & Upjohn-Mod. RAST	-	-	-	1	-	-	-	-	-	1	-	-	-	-
Pharmacia UniCap 100 (% ref)	-	-	-	-	5	-	-	-	-	-	5	-	-	-
Pharmacia & Upjohn CAP 100 (KU/L)	-	-	-	2	-	-	-	-	-	2	-	-	-	-
	Common Ragweed Allergen							Bermuda Grass Allergen						
	CLASS RESULT							CLASS RESULT						
	0	1	2	3	4	5	6	0	1	2	3	4	5	6
All Methods	2	7	5	-	-	-	-	-	-	9	3	-	-	-
Hycor EIA	-	-	2	-	-	-	-	-	-	-	2	-	-	-
Pharmacia & Upjohn CAP (% ref)	-	1	2	-	-	-	-	-	-	2	-	-	-	-
Pharmacia & Upjohn-Mod. RAST	-	1	-	-	-	-	-	-	-	1	-	-	-	-
Pharmacia UniCap 100 (% ref)	-	5	-	-	-	-	-	-	-	4	-	-	-	-
Pharmacia & Upjohn CAP 100 (KU/L)	2	-	-	-	-	-	-	-	-	1	-	-	-	-
	House Dust Mite Allergen							Dog Dander Allergen						
	CLASS RESULT							CLASS RESULT						
	0	1	2	3	4	5	6	0	1	2	3	4	5	6
All Methods	-	-	-	-	3	11	1	-	-	-	4	6	-	-
Hycor EIA	-	-	-	-	-	2	-	-	-	-	-	1	-	-
Pharmacia & Upjohn CAP (% ref)	-	-	-	-	-	3	-	-	-	-	-	1	-	-
Pharmacia & Upjohn-Mod. RAST	-	-	-	-	1	-	-	-	-	-	1	-	-	-
Pharmacia UniCap 100 (% ref)	-	-	-	-	-	5	-	-	-	-	-	4	-	-
Pharmacia & Upjohn CAP 100 (KU/L)	-	-	-	-	2	-	-	-	-	-	2	-	-	-
	Meadow Grass, Kentucky Blue Grass, June Grass Allergen													
	CLASS RESULT													
	0	1	2	3	4	5	6							
All Methods	-	-	2	7	-	-	-							
Hycor EIA	-	-	-	1	-	-	-							
Pharmacia & Upjohn CAP (% ref)	-	-	-	2	-	-	-							
Pharmacia & Upjohn-Mod. RAST	-	-	1	-	-	-	-							
Pharmacia UniCap 100 (% ref)	-	-	-	4	-	-	-							
Pharmacia & Upjohn CAP 100 (KU/L)	-	-	1	-	-	-	-							

IgA (mg/dL)

<u>Specimen/Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Low Value</u>	<u>High Value</u>
Specimen IP-11							
All Methods	10	215.4	17.1	7.9	212	192	243
Specimen IP-12							
All Methods	10	189.9	16.0	8.4	192	171	213
Specimen IP-13							
All Methods	10	94.0	6.9	7.4	93	85	107
Specimen IP-14							
All Methods	10	399.1	34.3	8.6	393	344	455
Specimen IP-15							
All Methods	10	231.5	16.6	7.2	230	207	263

IgG (mg/dL)

<u>Specimen/Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Low Value</u>	<u>High Value</u>
Specimen IP-11							
All Methods	10	2531.4	272.3	10.8	2411	2347	3247
Specimen IP-12							
All Methods	10	977.0	53.9	5.5	969	886	1062
Specimen IP-13							
All Methods	10	403.2	45.6	11.3	382	368	510
Specimen IP-14							
All Methods	10	925.2	69.5	7.5	929	811	1031
Specimen IP-15							
All Methods	10	2794.6	360.3	12.9	2761	2475	3702

IgM (mg/dL)

<u>Specimen/Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Low Value</u>	<u>High Value</u>
Specimen IP-11							
All Methods	10	325.4	41.0	12.6	326	230	393
Specimen IP-12							
All Methods	10	295.3	36.3	12.3	307	210	335
Specimen IP-13							
All Methods	10	34.1	8.7	25.5	34	24	55
Specimen IP-14							
All Methods	10	103.1	17.8	17.3	107	79	132
Specimen IP-15							
All Methods	10	84.0	26.8	31.9	78	58	140

Syphilis Serology^{3/4} Qualitative: RPR

<u>Method</u>	<u>Specimen SY-11</u>		<u>Specimen SY-12</u>		<u>Specimen SY-13</u>	
	<u>Reactive</u>	<u>Non-Reactive</u>	<u>Reactive</u>	<u>Non-Reactive</u>	<u>Reactive</u>	<u>Non-Reactive</u>
All Methods	-	55	55	-	-	55
ASI	-	18	18	-	-	18
Becton Dickinson	-	27	27	-	-	27
Biokit	-	1	1	-	-	1
J&S Medical Assoc. Accutex	-	1	1	-	-	1
New Horizons	-	1	1	-	-	1
Scientific Products	-	1	1	-	-	1
Stanbio	-	3	3	-	-	3
Wampole Impact RPR	-	2	2	-	-	2
	<u>Specimen SY-14</u>		<u>Specimen SY-15</u>			
All Methods	55	-	55	-		
ASI	18	-	18	-		
Becton Dickinson	27	-	27	-		
Biokit	1	-	1	-		
J&S Medical Assoc. Accutex	1	-	1	-		
New Horizons	1	-	1	-		
Scientific Products	1	-	1	-		
Stanbio	3	-	3	-		
Wampole Impact RPR	2	-	2	-		

Syphilis Serology^{3/4} Quantitative: RPR (Titer)

<u>Specimen/Method</u>	<u>1</u>	<u>2</u>	<u>4</u>	<u>8</u>	<u>16</u>	<u>32</u>	<u>64</u>
Specimen SY-12							
All Methods	4	14	4	-	-	-	-
ASI	2	7	2	-	-	-	-
Becton Dickinson	1	7	-	-	-	-	-
New Horizons	-	-	1	-	-	-	-
Stanbio	1	-	-	-	-	-	-
Wampole Impact RPR	-	-	1	-	-	-	-

Specimen SY-14

All Methods	2	16	4	-	-	-	-
ASI	1	7	3	-	-	-	-
Becton Dickinson	1	7	-	-	-	-	-
New Horizons	-	-	1	-	-	-	-
Stanbio	-	1	-	-	-	-	-
Wampole Impact RPR	-	1	-	-	-	-	-

H. pylori Antibody Detection

<u>Method</u>	<u>Specimen HP-5</u>		<u>Specimen HP-6</u>	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	226	3	6	223
Abbott FlexPack	2	-	-	2
Abbott TESTPACK Plus	1	-	-	1
Applied Biotech SureStep	20	1	-	21
BD LINK 2	8	-	-	8
Beckman Coulter FlexSure	38	-	3	35
DPC – Immulite	1	-	-	1
Fisher HealthCare Sure-Vue	7	-	-	7
LifeSign Status	5	-	-	5
Meridian ImmunoCard	1	-	-	1
Meridian Premier	1	-	-	1
Polymedco Poly stat	30	1	2	29
Quidel QuickVue	107	1	1	107
Remel RIM A.R.C.	1	-	-	1

Lyme Disease Serology

<u>Method</u>	<u>Specimen LY-5</u>		<u>Specimen LY-6</u>	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	-	2	1	1

Viral Markers – Anti-HIV

<u>Method</u>	Specimen VM-11		Specimen VM-12		Specimen VM-13	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	2	-	2	-	2	-
Abbott Quantum	1	-	1	-	1	-
	Specimen VM-14		Specimen VM-15			
All Methods	2	-	-	2		
Abbott Quantum	1	-	-	1		

Viral Markers – HBsAg

<u>Method</u>	Specimen VM-11		Specimen VM-12		Specimen VM-13	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
All Methods	1	-	1	-	-	1
	Specimen VM-14		Specimen VM-15			
All Methods	1	-	1	-		

Medical Laboratory Evaluation

2011 Pennsylvania Avenue, NW, Suite 800

Washington, DC 20006-1813

800-338-2746 • 202-261-4500 • Fax: 202-835-0440

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