

EXCELLENT CORRELATION OF ACTIM[®] CRP WITH QUANTITATIVE INSTRUMENT RESULTS

Results of Actim[®] CRP test were compared to quantitative results obtained by different instruments. Different sample types were also compared, and it was demonstrated, that there was an excellent correlation between the results of both fingertip blood samples and EDTA plasma.

The comparisons were performed in three different hospitals (Jorvi hospital, Iisalmi Hospital, and Kuopio hospital) using Hitachi 911 and Konelab 60i instrument.

FIG 1. Actim CRP vs Hitachi 911 CRP.

The evaluation showed that the Actim CRP results are comparable to the quantitative measurement.

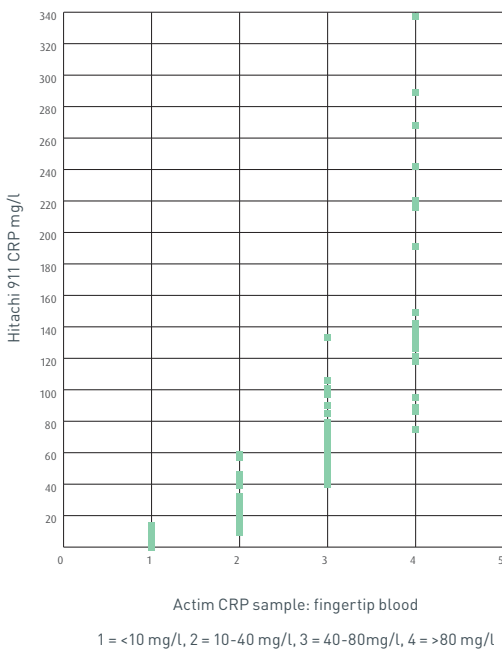


FIG 2. Actim CRP vs. Konelab 60i

The evaluation showed that the Actim CRP results are comparable to quantitative results.

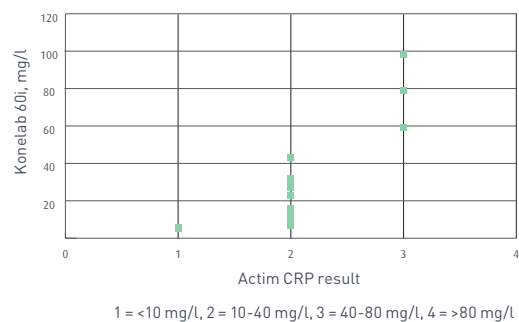
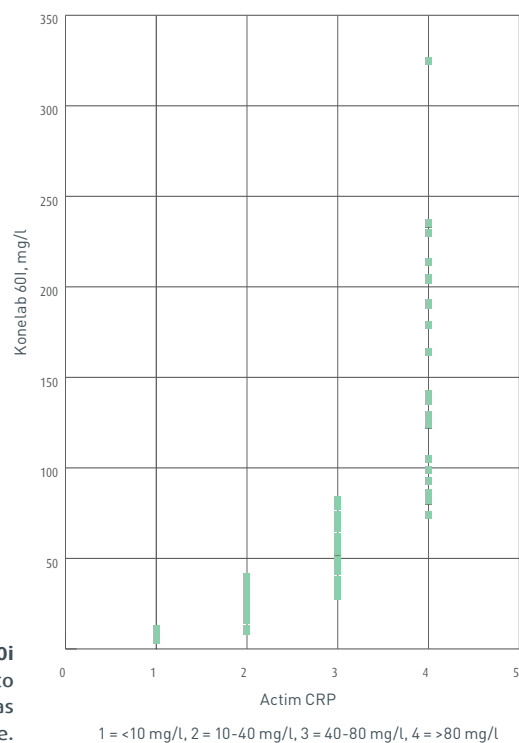


FIGURE 3. Actim CRP vs. Konelab 60i

The evaluation showed that the Actim CRP results are comparable to the quantitative measurement. Fingertip sample was shown to be as good as EDTA sample.



Jorvi Hospital, Finland

Actim CRP test was performed from fingertip blood. There were totally 100 fingertip samples tested against the quantitative method. In the table below there are the results for 100 samples, from which fingertip samples were taken.

- Actim CRP test was evaluated in Jorvi hospital, June - August 2003
- Quantitative method: Hitachi 911, Calibration C.f.a.s Proteins, Roche Diagnostics, Cat No 1 355 279
- Calibrated against IFCC / CRM 470
- Actim CRP test Lot 002, Exp. 2004-05-14

Sample	Hitachi CRP mg/l	Actim CRP test fingertip blood mg/l	Comments
1	10	<10	-
2	11	<10	-
3	2	<10	-
4	0	<10	-
5	10	<10	*Line 1 trace
6	2	<10	-
7	14	<10	-
8	5	<10	-
9	6	<10	-
10	5	<10	-
11	0	<10	-
12	7	<10	-
13	5	<10	-
14	2	<10	-
15	31	10-40	-
16	21	10-40	-
17	10	10-40	-
18	15	10-40	-
19	27	10-40	-
20	57	10-40 (40-80*)	*Line 2 trace
21	16	10-40	-
22	12	10-40	-
23	43	10-40	-
24	46	10-40 (40-80*)	*Line 2 trace
25	32	10-40	-
26	43	10-40 (40-80*)	*Line 2 trace
27	28	10-40	-

Sample	Hitachi CRP mg/l	Actim CRP test fingertip blood mg/l	Comments
28	15	10-40	-
29	39	10-40	-
30	11	10-40	-
31	26	10-40	-
32	15	10-40	-
33	59	10-40	-
34	13	10-40	-
35	23	10-40	-
36	9	10-40*	*Line 1 very weak
37	17	10-40	-
38	32	10-40	-
39	68	40-80	-
40	72	40-80	-
41	73	40-80	-
42	97	40-80 (>80*)	*Line 3 very weak
43	76	40-80	-
44	106	40-80	*Line 3 trace
45	70	40-80	-
46	63	40-80	-
47	52	40-80	-
48	101	40-80 (>80*)	*Line 3 trace
49	74	40-80	-
50	133	40-80 (>80*)	*Line 3 trace
51	77	40-80	-
52	72	40-80	-
53	49	40-80	-
54	66	40-80	-

Actim[®] CRP EVALUATIONS

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Sample	Hitachi CRP mg/l	Actim CRP test fingertip blood mg/l	Comments
55	65	40-80	-
56	90	40-80	-
57	85	40-80	-
58	73	40-80	-
59	58	40-80	-
60	79	40-80*	*Line 3 trace
61	67	40-80	-
62	44	40-80	*Line 2 very weak
63	57	40-80*	*Line 2 weak
64	78	40-80	-
65	53	40-80	-
66	70	40-80	-
67	54	40-80	-
68	59	40-80	-
69	44	40-80*	*Line 2 very weak
70	41	40-80	-
71	40	40-80*	*Line 2 very weak
72	78	40-80 (>80*)	*Line 3 trace
73	52	40-80	-
74	131	>80	-
75	220	>80	-
76	268	>80	-
77	132	>80	-
78	141	>80	-
79	95	>80	*Line 3 trace
80	126	>80	-
81	242	>80	-
82	121	>80	-
83	142	>80	-
84	191	>80	-
85	95	>80	-
86	337	>80	-
87	89	>80	-
88	87	>80*	*Line 3 very weak
89	75	>80*	*Line 3 trace
90	136	>80	-

Sample	Hitachi CRP mg/l	Actim CRP test fingertip blood mg/l	Comments
91	216	>80	-
92	138	>80*	*Line 3 weak
93	149	>80*	*Line 3 weak
94	118	>80	*Line 3 very weak
95	135	>80	-
96	130	>80	-
97	289	>80	-
98	136	>80	-
99	86	>80	-
100	135	>80	-

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Kuopio hospital, Finland

Actim CRP test was performed from EDTA blood. There were totally 52 EDTA samples, which were measured with the Actim CRP test and also with the Konelab 60i instrument. The measuring range of the instrument is 5 - 218 mg/l.

- Actim CRP test was evaluated in Kuopio University hospital
- Quantitative method: Konelab 60i, Reagent Konelab CRP, 981699 and Calibration set Konelab 981674
- Calibrated against CRM 470 CAP/IFCC.
- Actim CRP dipstick Lot 021TK, Exp. 04 Jun 03

Sample	Konelab CRP mg/l	Actim CRP test mg/l
1	<5	<10
2	5	<10
3	<5	<10
4	<5	<10
5	<5	<10
6	<5	<10
7	<5	<10
8	<5	<10
9	<5	<10
10	<5	<10
11	<5	<10
12	6	<10
13	<5	<10
14	<5	<10
15	<5	<10
16	<5	<10
17	<5	<10
18	5	<10
19	<5	<10
20	<5	<10
21	<5	<10
22	<5	<10
23	<5	<10
24	<5	<10
25	<5	<10
26	<5	<10

Sample	Konelab CRP mg/l	Actim CRP test mg/l
27	<5	<10
28	<5	<10
29	<5	<10
30	<5	<10
31	<5	<10
32	<5	<10
33	<5	<10
34	<5	<10
35	<5	<10
36	<5	<10
37	43	10-40
38	8	10-40
39	30	10-40
40	32	10-40
41	7	10-40
42	43	10-40
43	8	10-40
44	7	10-40
45	12	10-40
46	23	10-40
47	27	10-40
48	11	10-40
49	16	10-40
50	59	40-80
51	79	40-80
52	98	40-80

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Iisalmi hospital, Finland

Actim CRP test was performed from 97 fingertip blood and EDTA blood samples. The reference instrument was Konelab 60i.

- Actim CRP test was evaluated in Iisalmi hospital, March 2003
- Quantitative method: Konelab 60i, Calibration set Konelab 981674
- Calibrated against IFCC / CRM 470
- Actim CRP test Lot 001, Exp. 2004-02-03

Sample	Konelab CRP mg/l	Actim CRP test fingertip blood mg/l	Actim CRP test edta blood mg/l	Comments
1	5	<10	<10	-
2	10	<10	<10	-
3	<5	<10	<10	-
4	<5	<10	<10	-
5	<5	<10	<10	-
6	6	<10	<10	-
7	<5	<10	<10	-
8	<5	<10	<10	-
9	<5	<10	<10	-
10	11	<10	<10	-
11	<5	<10	<10	-
12	5	<10	<10	-
13	<5	<10	<10	-
14	<5	<10	<10	-
15	<5	<10	<10	-
16	9	<10*	<10*	*Line 1 trace
17	<5	<10	<10	-
18	<5	<10	<10	-
19	<5	<10	<10	-
20	5	<10	<10	-
21	<5	<10	<10	-
22	5	<10	<10	-
23	<5	<10	<10	-
24	5	<10	<10	-
25	40	10-40	10-40	-
26	27	10-40	10-40	-
27	16	10-40	10-40	-

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Sample	Konelab CRP mg/l	Actim CRP test fingertip blood mg/l	Actim CRP test edta blood mg/l	Comments
28	37	10-40*	10-40*	*Line 2 very weak
29	20	10-40	10-40	-
30	33	10-40	10-40	-
31	16	10-40	10-40	-
32	24	10-40	10-40	-
33	29	10-40	10-40	-
34	23	10-40	10-40	-
35	11	10-40	10-40	-
36	30	10-40	10-40	-
37	38	10-40	10-40	-
38	10	10-40	10-40	-
39	30	10-40	10-40	-
40	30	10-40	10-40	-
41	29	10-40	10-40	-
42	30	10-40	10-40	-
43	19	10-40	10-40	-
44	26	10-40	10-40	-
45	67	40-80	40-80	-
46	58	40-80	40-80	-
47	74	40-80*	40-80*	*Line 3 trace
48	62	40-80	40-80	-
49	79	40-80	40-80	-
50	48	40-80	40-80	-
51	54	40-80	40-80	-
52	55	40-80	40-80	-
53	61	40-80	40-80	-
54	45	40-80	40-80	-
55	38	40-80	40-80	-
56	61	40-80	40-80	-
57	82	40-80	40-80	-
58	34	40-80*	40-80*	*Line 2 trace
59	34	40-80*	40-80*	*Line 2 trace
60	47	40-80	40-80	-
61	61	40-80	40-80	-
62	43	40-80*	40-80*	*Line 2 very weak
63	37	40-80	40-80	-

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Sample	Konelab CRP mg/l	Actim CRP test fingertip blood mg/l	Actim CRP test edta blood mg/l	Comments
64	72	40-80	40-80	-
65	70	40-80	40-80	-
66	32	40-80*	40-80*	*Line 2 very weak
67	62	40-80	40-80	-
68	35	40-80	10-40	-
69	44	40-80	40-80	-
70	31	40-80	40-80*	*Line 2 very weak
71	58	40-80	40-80	-
72	47	40-80	40-80	-
73	73	40-80	40-80	-
74	29	40-80*	10-40	*Line 2 very weak
75	49	40-80	40-80	-
76	99	>80	>80	-
77	86	>80	>80	-
78	235	>80	>80	-
79	105	>80	>80	-
80	141	>80	>80	-
81	164	>80	>80	-
82	325	>80	>80	-
83	139	>80	>80	-
84	191	>80	>80	-
85	205	>80	>80	-
86	230	>80	>80	-
87	82	>80*	>80	*Line 3 weak
88	93	>80*	>80	*Line 3 weak
89	190	>80	>80	-
90	137	>80	>80	-
91	126	>80	>80	-
92	74	>80*	40-80	*Line 3 weak
93	214	>80	>80	-
94	179	>80	>80	-
95	124	>80	>80	-
96	204	>80	>80	-
97	129	>80*	>80*	*Line 3 weak

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