

Medical Device Clinical Report

Safe AQ UG

Product Name: Safe AQ UG meter, Safe AQ UG uric acid test strip

Manufacturer: Changsha Sinocare Inc.

Clinical Test Time: June, 2011 to September, 2011

Clinical Institution: Hsiang-ya third hospital

Hunan brain department hospital

Principle Investigator: Yuan Hong

Responsible Person: Huang Zhijun, Tan Benteng

Contact information of sponsor: Zhang Ting

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1. Introduction

1.1 Background

Safe AQ UG blood glucose and uric acid meter can test different sample with different strip. The meter can be used with Safe AQ UG uric acid test strip to quantitatively test uric acid concentration in fresh whole blood sample. The product can be used for diabetes control in clinical settings.

1.2 Scope

Safe AQ UG blood glucose and uric acid meter used with Safe AQ UG uric acid test strip to test uric acid in fresh whole blood sample. The product use bioelectrochemistry method as operation principle. The special chemical will react with blood sample and produce current. The current will transfer to test result and displayed on meter. The product need less blood sample and less test time.

Trial scope: Uric acid test in capillary whole blood and venous whole blood.

1.3 Test Principle

Uric Acid + oxidic ferrocenyl derivative $\longrightarrow$ Allantoin + reductive ferrocenyl derivative

reductive ferrocenyl derivative $\longrightarrow$ oxidic ferrocenyl derivative + e⁻

1.4 Marketed product application

1.4.1 China marketed product:

-Taiwan EasyTouch Uric Acid Strip (Registered on 2016.3.31)

-U.S UASure Uric Acid Strip (Registered on 2004.11.10)

1.4.2 Operation principle for marketed product:

Uric Acid + potassium ferricyanide $\xrightarrow{\text{Uric Acid Enzyme}}$ Allantoin + potassium ferrocyanide

Potassium ferrocyanide $\longrightarrow$ potassium ferricyanide + e⁻

1.5 Intended Use

Safe AQ UG blood glucose and uric acid meter used with Safe AQ UG uric acid test strip to test uric acid in fresh whole blood sample.

1.6 Purpose

To evaluate accuracy and practicable for Safe AQ UG blood glucose and uric acid meter and Safe AQ UG uric acid test strip according to Medical Device Clinical Trial Regulation, In Vitro Diagnostic Reagent Clinical Research Technical Guidance.

1.7 Overall Design

1.7.1 Test overall design

This clinical trial recruit subjects with low uric acid concentration, normal uric acid concentration, high uric acid concentration, fasting and after meal subject, at least 200 subjects needed (at least 100 subjects for each hospital). The trial use Safe AQ UG system and hospital testing procedure test capillary whole blood sample and compare the test result. Then collect venous blood sample, use Safe AQ UG system and hospital testing procedure test venous blood sample and compare the test result.

1.7.2 Quality Control Method

The participating researchers must undergo a unified training and unify the record way and judgment criteria. The entire test process must be carried out under the strict operation. All observations and findings in the test must be verified to ensure data reliability and to ensure that all the conclusions of the test are derived from objective and accurate raw data. In the test and data processing stage, there should be the appropriate data management measures.

1.7.3 Feasibility Analysis

The product has already performed performance analysis before clinical trial and test result is good. So the possibility of successful is high. But if the sample is not sufficient or test result shows that performance of this product can not meet requirement, the clinical trial may be failed.

2. General Information

Enroll at least 200 subjects for 2 hospital, at least 100 subjects for each hospital. Choose low concentration, normal concentration, high concentration, fasting and after meal samples.

2.1 Inclusion Criteria

- (1) Volunteer to test glucose and willing to signed informed consent;
- (2) Age ≥ 18 , no limit for gender

2.2 Exclusion Criteria

Investigator consider who is inappropriate to join in test.

2.3 Sample concentration

Sample concentration should meet below criteria:

Sample	Concentration/[$\mu\text{mol/L}(\text{mg/dL})$]
20	181~297(3~5)
50	298~416(5~7)
30	417~1188(7~20)

3. Test method

3.1. Test product:

Product name: Safe AQ UG uric acid strip

Strip Lot: 20101223

Strip Code: C609;

Shelf life: 12 months, stored at 10°C~30°C

3.2 Test method

- a. Equilibrate meter and strip in test temperature condition at least 30 minutes before test. Do not hold strip socket when testing.
- b. Insert code chip.
- c. Take 1 strip out.
- d. Insert strip into meter, meter turned on, drop symbol flashing which means can apply samples on strip.
- e. Use lancing device to collect capillary sample or collect venous sample.
- f. Put strip close blood sample, sample will be absorbed into reaction chamber in strip. Meter will beep after sample is enough, test begin.
- g. After count down finished, test result will displayed on screen with unit.

3.3 Comparison Product:

1) Comparison product for test venous blood

Hsiang-ya third hospital

Type: Hitachi 7600 fully automatic biochemical analyzer

Manufacturer: Japan Hitachi Inc.

Hunan brain department hospital:

Type: SIEMENS DimensionRxLMax fully automatic biochemical analyzer;

Manufacturer: Siemens Healthcare Diagnostics Inc.

4. Acceptance Criteria:

4.1 When concentration $< 297 \mu\text{mol/L}$, bias = Safe AQ result – Hospital result

When concentration $\geq 297 \mu\text{mol/L}$, bias = (Safe AQ result – Hospital result) / Hospital result * 100%

4.2 Acceptance criteria

95% bias should meet below requirement:

When concentration $< 297 \mu\text{mol/L}$, bias should within $\pm 59.4 \mu\text{mol/L}$

When concentration $\geq 297 \mu\text{mol/L}$ 时, bias should within $\pm 20\%$

5. Analysis

5.1 Sample distribution

Table 1. Sample size

	Concentration /[$\mu\text{mol/L(mg/dL)}$]	Venous Sample
Low concentration	181~297(3~5)	47
Normal concentration	298~416(5~7)	104
High concentration	417~1188(7~20)	70
Total	—	221

5.2 Test Result Analysis

5.2.1 Capillary blood accuracy

Use Safe AQ UG test capillary blood and use hospital analyzer test venous blood. Regression

equation for Safe AQ UG result (Y) and Hospital analyzer (X): $y=0.9467x+13.462$, $R^2=0.913$, $R=0.956$.

Graph 1-Safe AQ UG Capillary Test Result

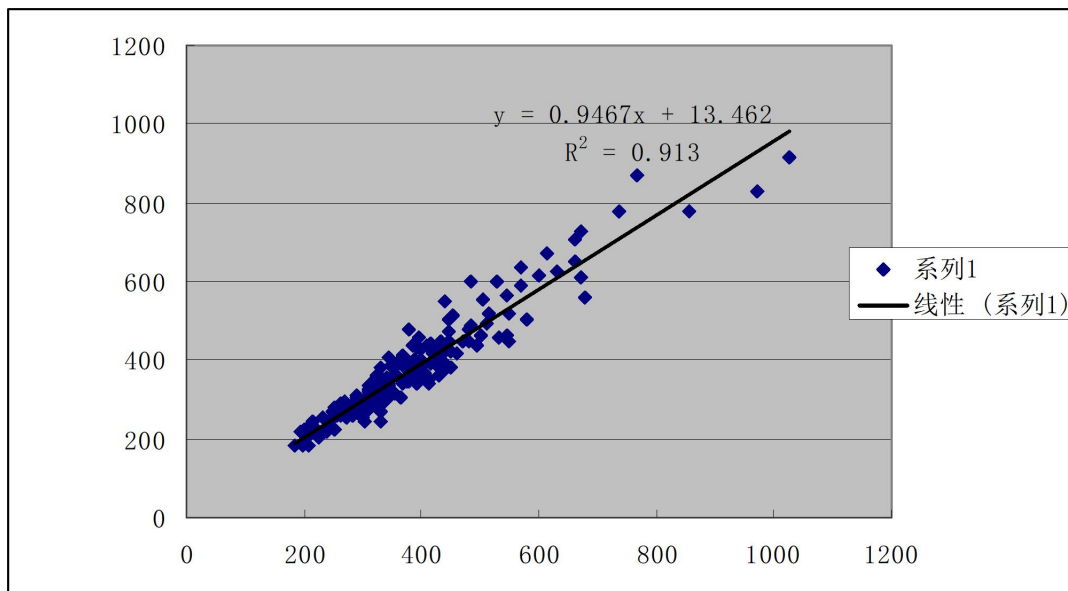


Table 2 - Bias of capillary sample when concentration $<297\mu\text{mol/L}$

Within $\pm 19.3\mu\text{mol/L}$	Within $\pm 38.6\mu\text{mol/L}$	Within $\pm 59.4\mu\text{mol/L}$
33/47 (70.2%)	47/47 (100%)	47/47 (100%)

Table 3- Bias of capillary sample when concentration $\geq 297\mu\text{mol/L}$

Within $\pm 5\%$	Within $\pm 10\%$	Within $\pm 15\%$	Within $\pm 20\%$
53/156 (34%)	107/156 (68.6%)	141/156 (90.4%)	152/156 (97.4%)

From above data we can see that capillary test result meet acceptance criterial. When concentration $<297\mu\text{mol/L}$, all bias within $\pm 59.4\mu\text{mol/L}$; when concentration $\geq 297\mu\text{mol/L}$, 97.4% bias within $\pm 20\%$.

2.2 Venous blood accuracy

Regression equation for Safe AQ UG result (Y) and J&J product (X): $y=0.9568x-6.9187$, $R^2=0.9243$, $R=0.971$.

Graph 2-Safe AQ UG Venous Test Result

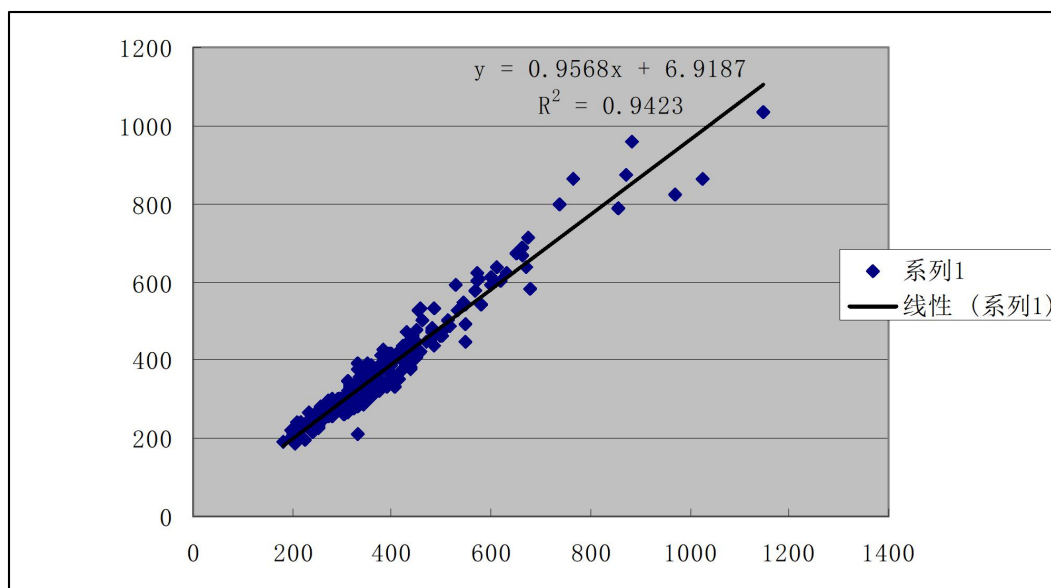


Table 4 - Bias of capillary sample when concentration <297 μ mol/L

Within $\pm 19.3\mu\text{mol/L}$	Within $\pm 38.6\mu\text{mol/L}$	Within $\pm 59.4\mu\text{mol/L}$
32/47 (68%)	47/47 (100%)	47/47 (100%)

Table 5- Bias of capillary sample when concentration $\geq 297\mu\text{mol/L}$

Within $\pm 5\%$	Within $\pm 10\%$	Within $\pm 15\%$	Within $\pm 20\%$
71/174 (40.8%)	124/174 (71.3%)	164/174 (94.3%)	173/174 (99.4%)

From above data we can see that capillary test result meet acceptance criterial. When concentration <297 $\mu\text{mol/L}$, all bias within $\pm 59.4\mu\text{mol/L}$; when concentration $\geq 297\mu\text{mol/L}$, 99.4% bias within $\pm 20\%$.

5.3 Conclusion

Safe AQ blood glucose and uric acid meter and uric acid test strip has good clinical performance.

6. Clinical Trial Staff Information:

Staff	Title	Department	Responsibility
Yuan Hong	Professor	Hsiang-ya third hospital clinical pharmacology center	Principle Investigator
Yang Guoping	Associate Professor	Hsiang-ya third hospital clinical pharmacology center	Investigator
Huang Zhijun	Attending Doctor	Hsiang-ya third hospital clinical pharmacology center	Investigator

Yi Bin	Attending Doctor	Hsiang-ya third hospital kidney rheumatism and immunology department	Investigator
Yang Xiaoyan	Doctor	Hsiang-ya third hospital clinical pharmacology center	Statistics
Tan Benteng	Associate Chief Doctor	Hunan brain department hospital clinical trial institution	Investigator
Xu Junying	Associate Chief Doctor	Hunan brain department hospital 36 ward	Investigator
Zhang Haitao	Attending Doctor	Hunan brain department hospital 13 ward	Investigator
Liu Wei	Doctor	Hunan brain department hospital 13 ward	Investigator

7. Attachment

Attachment 1: Test result

No.	Name	Gender	Hospital Result ($\mu\text{mol/L}$)	Safe AQ UG Capillary Result ($\mu\text{mol/L}$)	Safe AQ UG Venous Result ($\mu\text{mol/L}$)
1	TWH	F	417	441	410
2	LLC	F	262	266	260
3	HYH	M	332	380	379
4	YSH	M	329	354	329
5	CXW	M	311	321	309
6	HSG	M	295	286	302
7	HFX	F	426	387	396
8	LYY	F	450	382	410
9	ZRM	M	206	208	202
10	ZJW	M	335	293	293
11	LLS	M	390	401	390
12	WXL	F	392	430	380
13	LZW	M	349	386	362
14	YJK	F	249	268	265
15	LXL	F	199	184	200
16	ZZM	F	350	321	344
17	GPR	F	284	272	281
18	YYF	F	224	213	237
19	WMD	M	242	230	218
20	SGY	F	315	320	294

21	YXM	F	358	394	385
22	JXW	M	327	322	334
23	ZYL	F	372	388	380
24	YYT	F	382	386	388
25	YYZ	F	368	410	317
26	WXJ	F	305	296	260
27	LL	M	375	345	320
28	SMY	F	548	517	541
29	XJF	M	303	278	264
30	WYS	M	430	363	418
31	CGX	F	316	317	335
32	JAQ	F	329	326	296
33	YXG	M	394	457	418
34	LYL	F	453	514	529
35	YZX	M	321	295	293
36	TJH	F	384	438	428
37	ZPS	M	400	428	395
38	JYY	F	310	310	291
39	YJM	F	332	300	333
40	LLY	F	280	262	303
41	WDX	F	296	296	269
42	FJZ	M	274	269	257
43	HHQ	F	326	311	340
44	YBH	F	260	278	273
45	GMH	F	336	321	354
46	CYL	F	346	340	340
47	LHJ	F	309	325	303
48	ZSF	F	410	438	353
49	LZX	M	516	521	488
50	HZY	F	378	352	346
51	XQL	F	264	258	253
52	LXL	F	301	255	266
53	ZJQ	M	412	352	418
54	CQY	M	314	337	299
55	WHY	M	390	354	333
56	PJP	M	325	362	312

57	WQ	F	314	317	322
58	SLJ	F	379	347	341
59	LS	F	258	264	282
60	PC	M	312	302	301
61	WYS	F	306	276	300
62	YC	F	201	223	209
63	OY	F	251	225	225
64	YML	F	302	263	267
65	LQY	F	223	223	237
66	DJH	F	217	214	239
67	WMQ	F	309	290	287
68	LXL	F	341	355	331
69	YD	F	210	213	198
70	YYL	F	240	218	250
71	XYZ	F	312	308	322
72	PJW	M	311	282	267
73	LZH	M	311	320	320
74	ZXQ	F	233	252	264
75	LP	M	252	279	230
76	XR	F	373	396	334
77	LHF	F	343	336	332
78	LY	F	290	281	285
79	YJE	F	292	285	302
80	JX	M	289	307	273
81	ZC	F	332	347	292
82	CXP	M	482	480	475
83	CL	M	512	495	501
84	YSG	M	448	504	478
85	LPY	F	570	636	603
86	LXZ	M	483	489	480
87	XZL	M	480	450	472
88	PJH	F	972	827	825
89	LYQ	F	613	673	640
90	PCH	M	544	566	547
91	LYH	M	672	608	636
92	FAL	F	448	471	447

93	XWF	F	528	602	592
94	KCY	F	766	872	864
95	ZJ	F	568	588	578
96	PLH	F	485	599	532
97	LSP	M	439	551	412
98	SJL	F	632	624	622
99	LQJ	F	378	476	414
100	LHY	M	470	450	446
101	ZX	M	1025	914	865
102	FYH	F	578	503	541
103	LBH	M	736	779	796
104	LGB	M	599	616	591
105	TYJ	M	548	447	445
106	LYJ	F	312. 8	290	271
107	WJL	F	304. 3	245	260
108	HYH	F	206. 2	203	187
109	HMH	M	546. 3	465	490
110	HKM	F	225. 1	202	195
111	ZYH	M	355. 9	313	301
112	SYF	F	299. 4	283	271
113	LPT	F	411. 6	342	364
114	MFR	M	206. 5	184	193
115	WBL	M	345. 2	336	320
116	SCN	M	310. 8	294	320
117	MYM	F	214. 7	243	220
118	HGL	F	308. 1	284	292
119	YRQ	M	233. 7	225	244
120	LJC	M	262. 6	282	268
121	CST	M	380. 5	354	378
122	FFJ	M	414. 5	392	353
123	ZZC	F	431. 3	381	386
124	LSJ	F	195. 4	220	221
125	HYB	M	209. 2	206	243
126	FXY	F	269. 7	294	284
127	LAL	F	254. 8	257	255
128	LYZ	F	281. 1	283	258

129	GPZ	F	438. 3	374	378
130	LRS	M	333. 1	291	293
131	LXY	F	272. 7	255	295
132	ZDD	M	352. 4	362	394
133	WCX	F	311	305	348
134	HFS	M	351. 5	383	362
135	LRD	F	400. 2	375	386
136	XBC	M	499. 7	463	462
137	LXC	F	676. 8	558	582
138	CJY	M	436. 6	398	383
139	HCY	M	406. 1	365	330
140	XJL	F	339. 4	298	329
141	YYL	F	448. 8	424	407
142	FMH	M	330. 4	270	283
143	CSP	M	382. 6	361	385
144	LWS	M	289. 8	267	268
145	YMJ	M	352. 6	317	343
146	LDX	M	403. 3	359	396
147	XSQ	F	673	728	713
148	CXY	M	431. 2	436	443
149	LYP	F	282. 1	260	285
150	LCS	M	336	333	322
151	PWX	F	320	327	321
152	LLH	F	495	438	464
153	LYG	M	324	357	308
154	TQY	M	343	331	344
155	GH	M	434	447	414
156	LSP	F	344	327	286
157	CYM	M	373	345	368
158	DYY	F	399	400	416
159	LWH	M	393. 3	365	368
160	HYQ	F	345. 9	331	373
161	WHA	M	354. 2	381	368
162	XDY	M	332	322	311
163	PRY	F	251	260	224
164	LQY	F	531	458	527

165	PHL	M	345. 1	347	296
166	NMY	F	315	282	297
167	W XF	M	419	416	372
168	LQG	M	331	242	211
169	XXF	M	315	342	329
170	LXG	M	285	290	274
171	DQX	F	182. 9	185	190
172	KZY	M	366. 4	305	346
173	ZXL	M	331. 5	317	394
174	DQY	F	459	416	423
175	HYQ	M	277	272	280
176	NSS	M	333	337	347
177	LSR	F	369	345	374
178	MJK	M	346	408	379
179	WQL	M	446	446	416
180	TSJ	M	311. 7	338	315
181	ZGL	M	398. 2	381	368
182	HYZ	M	374. 3	402	387
183	FSY	F	506	552	479
184	LJX	F	322	287	278
185	PJZ	F	359	361	389
186	TLL	F	395	375	390
187	ZLB	M	370. 4	379	369
188	XXJ	F	245. 3	247	244
189	TC	M	441. 9	383	397
190	ZSP	F	288. 6	311	284
191	DYW	M	392. 1	342	344
192	CWY	F	424. 3	404	394
193	PMX	M	341. 9	302	311
194	OK	M	313. 6	291	296
195	HRL	F	367. 1	389	348
196	YXL	F	261. 2	289	263
197	LZX	M	434. 1	413	385
198	CMH	F	212. 9	232	215
199	WQ	F	349. 9	356	313
200	LL	M	367. 7	341	326

201	LMY	M	662	705	689
202	ZXJ	F	855	776	786
203	XS	F	663	650	666
204	LR	M	872		872
205	TH	F	1146		1034
206	LQL	F	883		961
207	LSY	F	442. 9		427
208	HPS	M	617. 5		601
209	PDH	M	420. 2		435
210	YZQ	M	433. 4		410
211	YRC	M	437. 9		383
212	YHQ	M	650. 1		675
213	NCL	M	598. 7		615
214	XFQ	F	462. 5		501
215	SJK	M	485		439
216	SLZ	M	442		464
217	ZSS	F	459		534
218	LZY	F	429		470
219	LXZ	M	572. 6		623
220	YY	M	576. 9		607
221	HDY	M	477. 5		450

Attachment 2: Venous blood test result

No	Name	Gender	Hospital Result (mmol/L)	Safe AQ UG Result (mmol/L)
1	LYJ	F	11.77	11.6
2	WJL	F	6.62	6.7
3	CWF	M	11.65	11.3
4	HYH	F	6.44	6.3
5	TJJ	M	6.67	6.5
6	HKM	F	13.61	11.7
7	MFR	M	14.79	14.8
8	WBL	M	16.42	17.4
9	GYD	F	8.85	8.8
10	SCN	M	6.61	6.7
11	MYM	F	6.34	6.3
12	HGL	F	4.64	4.9
13	YRQ	M	6.74	6.9
14	CST	M	4.97	5.4
15	FFJ	M	5.43	6.1
16	ZLC	F	6.07	6.7
17	HYB	M	4.43	4.8
18	YJZ	F	8.86	9.5
19	LAL	F	10.9	10.9
20	GPZ	F	5.65	6.1
21	LRS	M	6.06	6.3
22	LXC	F	9.98	11.5
23	HCY	M	7.27	7.5
24	XJL	F	7.53	8.3
25	YYL	F	11.32	12.5
26	LWS	M	5.04	5.5
27	XDH	F	6.37	6.3
28	LXG	M	10.82	10.4
29	CXY	M	3.79	3.7
30	LYP	F	4.7	4.8
31	WHA	M	6.71	6.5

32	PWX	F	8. 16	8
33	WYL	F	12. 94	11
34	LLH	F	5. 4	5. 2
35	TQY	M	9. 5	9. 1
36	GH	M	5. 32	4. 6
37	TZJ	M	15. 38	14. 2
38	LSP	F	6. 14	6. 4
39	CYM	M	5. 17	4. 7
40	XXN	F	6. 75	6. 4
41	LYS	F	5. 94	5. 7
42	DYY	F	4. 98	4. 5
43	LWH	M	7. 34	8. 6
44	WYC	F	18. 31	16
45	PRY	F	6. 97	7. 1
46	XDY	M	6. 35	7
47	LQY	F	9. 93	10. 3
48	WXF	M	4. 42	4. 5
49	NMY	M	6. 88	7. 1
50	LQG	M	7. 78	7. 2
51	WXM	F	10. 16	10. 3
52	LDY	F	6. 6	6. 6
53	XXF	M	5. 01	5. 4
54	YLY	F	6. 43	6
55	LDF	F	3. 96	3. 9
56	PJZ	F	7. 21	6. 8
57	ZXX	F	4. 89	4. 9
58	DSJ	F	14. 22	13. 1
59	DQX	F	3. 29	3. 5
60	KZY	M	8. 47	8. 4
61	ZXL	M	15. 26	14. 9
62	DQY	F	18. 24	17. 3
63	HYQ	M	11. 25	10. 8
64	ZGL	F	11. 23	9. 9

65	DBE	F	12. 87	12. 3
66	LSR	F	10. 73	11
67	MJK	M	9. 39	9. 1
68	YYH	F	9. 65	9. 8
69	WQL	M	14. 16	13. 6
70	HDM	M	17. 48	18. 1
71	ZGL	M	15. 58	16. 8
72	HYZ	M	15. 12	17. 7
73	CK	M	24. 76	20. 5
74	TLL	M	6. 82	6. 7
75	GNS	M	2. 18	2. 3
76	DDP	M	4. 63	4. 6
77	DFR	F	4. 33	4. 5
78	XXJ	F	3. 96	4. 2
79	OK	M	4. 36	4. 9
80	XG	M	17. 16	17. 1
81	XS	F	11. 3	13
82	LR	F	11. 17	12. 8
83	LQL	F	11. 14	13. 2
84	DJY	F	19. 12	18. 8
85	GW	M	20. 06	20
86	WYS	F	20. 04	19. 8
87	LH	F	2. 06	2
88	RWD	M	25. 5	25
89	JX	M	26. 51	26. 3
90	SB	M	26. 88	23. 9
91	LJJ	F	22. 23	20. 4
92	PC	M	25. 77	26
93	LM	M	4. 19	4. 5
94	GXX	F	3. 74	4. 1
95	LKM	M	4. 22	4. 7
96	ZHB	M	3. 88	4. 1
97	YHQ	M	3. 62	3. 8

98	LWD	M	3.81	3.9
99	XL	F	4.08	4.3
100	WTY	M	4.23	4.4
101	HWB	M	4.01	4.3
102	ZB	M	4.18	4.3
103	LZQ	F	3.76	3.8
104	TMZ	M	3.22	2.9
105	LCM	M	1.97	2.2
106	YJX	M	3.99	4.3
107	ZYZ	F	4.2	4.7
108	HSE	F	18.6	20.6
109	YJP	F	7.63	8.2
110	FQ	F	7.31	7.6
111	YJL	F	6.89	8
112	GXC	F	9.23	10.2
113	XZ	M	11.1	12.3
114	LXX	M	8.17	9.6
115	WDL	F	17.84	18
116	JF	M	2.59	2.6
117	PML	F	9.74	9.9
118	YJG	F	8.84	7.5
119	TWH	F	5.99	6.2
120	LLC	F	4.62	5
121	HYH	M	6.53	6.1
122	YSH	M	15.3	13.8
123	CXW	M	8.51	7.6
124	HZG	M	6.47	5.9
125	LQZ	F	7.23	6.4
126	HSG	M	14.55	11.2
127	HFX	F	7.39	6.7
128	LYY	F	12.13	10.7
129	CZM	F	6.47	7
130	ZRM	M	6.2	6.8

131	ZJW	M	11. 31	9. 3
132	LLS	M	5. 99	5. 8
133	WXL	F	6. 59	6. 9
134	YXM	F	12. 15	10. 3
135	LYQ	F	7. 53	6. 9
136	TYR	M	7. 32	6. 7
137	LXL	F	7. 47	6. 8
138	ZZM	F	9. 52	9. 2
139	PCL	M	6. 74	6. 4
140	GPR	F	9. 87	9. 6
141	YYF	F	11. 25	10. 7
142	SGY	F	6. 9	7. 3
143	YXM	F	6. 44	6. 5
144	GZX	F	9. 11	9
145	JXW	M	6. 99	6. 5
146	YYT	F	14. 22	14. 1
147	LLK	M	12. 76	11. 4
148	YYZ	F	5. 3	5. 2
149	LZH	M	9. 24	9
150	WMZ	F	6. 11	6. 4
151	XJF	M	12. 92	13. 4
152	WYS	M	7. 28	8. 6
153	YCZ	F	5. 15	5. 1
154	CGX	F	11. 16	12. 1
155	DBL	F	8. 62	8. 4
156	JAQ	F	15. 31	13
157	YXG	M	8. 14	7. 9
158	LYL	F	14. 56	12. 3
159	LYL	F	9. 63	10. 3
160	TJH	F	8. 57	8. 8
161	ZPS	M	9. 61	8. 7
162	LSL	F	5. 85	6. 3
163	LXK	M	4. 15	4. 5

164	JYY	F	9.36	8.6
165	YTX	F	8.39	8.1
166	ZAH	F	6.64	6.7
167	HHQ	F	9.61	9.7
168	MZQ	M	4.23	4.2
169	ZSF	M	6.04	5.9
170	LZX	M	6.43	6.6
171	HZY	F	8.73	8.4
172	ZZK	F	10.6	9.3
173	WGY	F	5.76	5.6
174	CSX	M	5.12	5.1
175	LYT	M	7.79	8
176	LAM	M	5.89	6.3
177	CQY	M	8.48	8.3
178	PJP	M	6.75	6.3
179	WYL	F	9.49	8.6
180	JYY	F	13.65	12.4
181	WJL	F	10.95	9.8
182	WWC	M	18.93	15.7
183	ZHY	F	11.75	12.4
184	XS	F	4.06	4.5
185	WQ	F	4.74	5
186	GLF	F	4.29	4.6
187	YC	F	3.85	4.6
188	YML	F	4.92	4.5
189	WYH	F	4.3	4.9
190	ZXQ	F	4.25	4.8
191	YM	F	15.53	16
192	WQL	M	14.4	15.9
193	ZCS	F	19.55	16.3
194	ZJH	M	17.46	15.4
195	ZZH	M	15.59	16.2
196	WJ	M	3	3.3
197	HX	M	4.1	3.8
198	LSD	M	4	4.3

199	LLY	M	4. 2	4. 5
200	GT	F	4. 1	4. 7
201	XXM	M	4	3. 5
202	HHH	M	2. 24	2. 4
203	ZYQ	F	3. 7	4. 2