SZWK2021-J-002

1		5	150
2		15	450
3	PCR		2011.6
4			1650
5	PCR	32	1280

1

2

3

4

5 5

6 15

1

2

3

4

5

6

7

8

1 ~2021 1 21 8 30~17 00

SZWK2021-J-002

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SZWK2021-J-002

1		5	150
2		15	450
3	PCR		2011.6
4			1650
5	PCR	32	1280

1

2

1 2021 1 25 8:30 9:00

2 2021 1 25 9:00

3 120 3

4 2021 1 25 9:00

0512-69165615 0512-65153553

0512-68387016

68

SZWK2021-J-002

			/	
1		5	30	
2		15	30	
3	PCR 96	5	40	
	PCR	35	40	
		24	5	
		4	5	
		4	5	
	8	10	5	
	96	10	5	
		4	0.2	
	8 0.5-50ml	10	0.4	
	8 5-50ml	20	0.4	
		64	0.2	
		16	1	
	-20 °	16	3	
		8	2	
	4-8 °	8	3	
		40	0.1	

[redacted]

5 >95%

6 -120

7 -120

8 ± 1

9 10

20 13-14 / 1-96

21

22

23 8

24 1 2

25 4

PCR 96 5

1.1

1.2

*1.3 ≥ 3 96 96 384

*1.4 96 (0.2 mL) 0.2 mL 0.2mL

1.5 ≥ 6 6

1.6 ≥ 6.5 /

1.7 3.66 /

1.8

1.9 (>5)

*1.10 ≥ 6 ≥ 21

1.11 96

1.12

*1.13 Rox

1.14 VIC TAMRA (CNV)

1.15 2

1.16 /

1.17 10

1.18 1.5

1.19 ~ 96 40 ≤ 35

1.20 API API LIMS

FDA 21 CFR Part 11

*1.21 100

PCR 35

1.1 LED

1.2

1.3 96

1.4 (48×2 0.2ml)

1.5 1:470nm-510nm; 2:530nm-565nm; 3:580nm-620nm; 4:630nm-665nm

1.6

1.7 :

1.8

1.9 / HRM SAT

1.10 :4 -99

1.11 :100-10 10

1.12

1.13 15ul-100ul

1.14

1.15 (MAX) 4 /S

1.16 HRM ±0.1

1.17 ±0.1

1.18 , ,

1.19

.

24

1.1. 70% 30%

1.2. LCD

1.3. DCBL

1.4. 70% 30%

1.5. “ ” HEPA ULPA ISO 5 100 ISO4 10

1.4 ≤55dB 1 99:59:59;

1.5

1.6

1.7 10 10

1.8

1.9

1.10

1.11

1.12

8 10

1.1. 110V-220V

1.2. 30W

1.3. 8000 /

1.4. 2.0ml*8 1.5ml*8 0.5ml*8 0.2ml*8 0.2ml*16

1.5.

1.6.

1.7. 3000g

96 10

1.1 LCD

1.2

1.3 10

1.4 10

1.5 /

1.6

1.7

1.8

1.9 30g

1.10

1.11 6000rpm

1.12 5000 × g

1.13 ± 10rpm

1.12

16

1.1. 110V-220V

1.2. 40W

1.3. 3000 /

1.4.

-20 ° 16

1.1

1.2 10 32 AC187-242V/50Hz

1.3

1.4 ≥388L

1.5 , -10 -25

0.1 24

1.6

1.7

1.8 2 24

8

1.1 ≥650L

1.2 2 ~8

1.3 * * ≥- ¸ : V

1.12

1.13 12V LED

1.14

1.15

1.16

1.17 220V±10

1.18 45dB(A)

1.19 USB 6

10

1.20

1.21 5

1.22

8

1.1 ≥890L

1.2 2 8

1.3 , 0.1

1.4

.

1.5 12V 4AH 48

1.6

1.7 ≥5

1.8 3 2

1.9 32 85%

1.10 90°

1.11 4 2

1.12 220V±10

1.13

1.14 12V LED

1.15

1.16

1.17 12

1.18

1.19 6 10

40

1.1 5~40 80%

1.2 I

1.3 0~120 ≤15min

1.4 ≥280um/cm

20

1.

2.

3.

4. windows10

5.

8

1 AC220V 50HZ

2 RT+5 80

3 / 0.1 /±0.2

4 ±1.5 37

5 +5 35

6

7 500W

8 500*380*750

9 2

5

1.1 1D 2D

*1.2 192 40min

1.3

1.4 ,

1.5 5mL 10mL

1.6 4 1D 2D

1.7 ±0.1mm

6^ 1

2.6

PCR

3

3.1 96

3.2 +/-0.1mm

3.3 2μL-200μL

0.1μL

3.4

3.5 2-200μL 0.1μL

3.6 CV≤5%(2μl) <±10% CV≤1%(200μl) <±1%

3.7

3.8

4

4.1 4 90

4.2 ±1 at55

4.3 ±1 at55

5

5.1 ( )1

5.2 96 1

5.3 1

5.4 1

5.5 2

PCR 32

1

2 LED 2000 5

3 96

4 20 100μl

5 4 99.9 4

6 8 96

7 5 SNPs

VIC TAMRA (CNV)

8 CCD 5

9 a b 10 c

NP mRNA,CNV

d

10 5000 10000 99.7%

11 PCR RT-PCR

12 96

13 200 SNP SNP

14

15

1 PCR

2

1

2 ≥5

3 15

4 1

5

1

2

3

4

5

6

1

2

3

4
5

6
7
8
9
1
2
3
3.1

3.2
3.3

3.4

1

2
3

1

2

3
1
2

3
4

4

1

2

3

5

6

3 **9**

40 **30** **20**

5

5

600512219

7

30%

100 **1.5%**

100 **500** **1.1%**

500 **-1000** **0.8%**

1000 **-5000** **0.5%**

1102020209000295112

1

2 **(** **)**

3

4

5

6

, U א Л þ ъ

100

30

30

= / X X100 30%

49 *

3 1

15

1 2 1 2

2 6

1 3

3 1

2 3 3

1

3 2

2 1

4 3

1

2

2.1

2.2

2.3

2.4

1

2

5 **30%** **95%**

10

3

1

2

3

4

5

1

2 **Ś** **ő**

1 **2** **(R̂**

1

2

			2020
	2020		
3			
3			
3			

2
