



Application  
Parameters for

# MINDRAY BS 480

بازنگری: ۱۱



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آدرس کارخانه: استان گلستان، پارک علم و فناوری، شماره ۲۱۷  
کارخانه: ۸۱-۸۰-۳۹-۵۳-۳۴ (۰۱۷) ۹۸+ پستی: ۵۴۰۵۴-۱۴۰۶۳۶-۳۱-۲۴ ۸۷۱ ۰۹۱۲

Autoanalyzer MINDRAY BS 480

Test Name ALBUMIN

Chem.

Albumin

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

605 nm

Sec. Wave

800 nm

Unit

g/dL

Decimal

0.1

Blank Time

9

10

Reaction Time

41

42

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

2

R1

200

Decreased

2

30

90

R2

Increased

Linearity Range

0

6

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2



Autoanalyzer MINDRAY BS 480

Test Name ALKALINE PHOSPHATASE

Chem.

ALP

Sample Type

Serum

Reaction Type

Kinetic

Reaction Direction

Positive

Pri. Wave

412 nm

Sec. Wave

700 nm

Unit

U/L

Decimal

0

Blank Time

 

Reaction Time

 

Sample vol. Aspirated Diluent  Sample Blank

Standard

3



R1

160

Decreased

3

30

90

R2

40

Increased




Linearity Range

0

825

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2



Autoanalyzer MINDRAY BS 480

Test Name SGPT / ALT

Chem.

SGPT/ALT

Sample Type

Serum

Reaction Type

Kinetic

Reaction Direction

Negative

Pri. Wave

340 nm

Sec. Wave

412 nm

Unit

U/L

Decimal

0

Blank Time

 

Reaction Time

 

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

20



R1

160

Decreased

20

30

90

R2

40

Increased




Linearity Range

0

300

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2



Autoanalyzer

MINDRAY BS 480

Test Name

AMYLASE

Chem.

Amylase

Sample Type

Serum

Reaction Type

Kinetic

Reaction Direction

Positive

Pri. Wave

412 nm

Sec. Wave

700 nm

Unit

U/L

Decimal

0

Blank Time



Reaction Time

41

42

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

4



R1

200

Decreased

4

30

90

R2

Increased




Linearity Range

0

1500

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2



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Autoanalyzer MINDRAY BS 480

Test Name SGOT / AST

Chem.

SGOT/AST

Sample Type

Serum

Reaction Type

Kinetic

Reaction Direction

Negative

Pri. Wave

340 nm

Sec. Wave

412 nm

Unit

U/L

Decimal

0

Blank Time

 

Reaction Time

 

Sample vol. Aspirated Diluent  Sample Blank

Standard

20



R1

160

Decreased

20

30

90

R2

40

Increased




Linearity Range

0

300

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2



Autoanalyzer MINDRAY BS 480

Test Name BILIRUBIN DIRECT

Chem.

Bili-Direct

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

546 nm

Sec. Wave

700 nm

Unit

mg/dL

Decimal

0.1

Blank Time

47

48

Reaction Time

81

82

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

20

R1

200

Decreased

20

30

90

R2

50

Increased

Linearity Range

0

9

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2

Autoanalyzer MINDRAY BS 480

Test Name BILIRUBIN TOTAL

Chem.

Bili-Total

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

546 nm

Sec. Wave

700 nm

Unit

mg/dL

Decimal

0.1

Blank Time

47

48

Reaction Time

81

82

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

20

R1

200

Decreased

20

30

90

R2

50

Increased

Linearity Range

0

15

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2

Autoanalyzer MINDRAY BS 480

Test Name CALCIUM

Chem.

Calcium

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

660 nm

Sec. Wave

Unit

mg/dL

Decimal

0.1

Blank Time

9

10

Reaction Time

47

48

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

2

R1

200

Decreased

2

30

90

R2

Increased

Linearity Range

0

15

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2



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کارخانه: ۸۱-۳۹ ۵۳ ۳۹ ۸۰-۹۸(۰۱۷) + پستی: ۰۴ ۱۴۰ ۰۹۳۶-۰۹۱۲ ۸۷۱ ۲۴ ۳۱

Autoanalyzer MINDRAY BS 480

Test Name CHOLESTEROL

Chem.

CHOL

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

505 nm

Sec. Wave

700 nm

Unit

mg/dL

Decimal

0

Blank Time

9

10

Reaction Time

80

81

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

2

R1

200

Decreased

2

30

90

R2

Increased

Linearity Range

0

500

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2

Autoanalyzer MINDRAY BS 480

Test Name CK - MB

Chem.

CK-MB

Sample Type

Serum

Reaction Type

Kinetic

Reaction Direction

Positive

Pri. Wave

340 nm

Sec. Wave

412 nm

Unit

U/L

Decimal

0

Blank Time

 

Reaction Time

 

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

8



R1

160

Decreased

8

30

90

R2

40

Increased




Linearity Range

0

600

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2

Autoanalyzer MINDRAY BS 480

Test Name CPK - NAC

Chem.

CPK-NAC

Sample Type

Serum

Reaction Type

Kinetic

Reaction Direction

Positive

Pri. Wave

340 nm

Sec. Wave

412 nm

Unit

U/L

Decimal

0

Blank Time

 

Reaction Time

 

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

8



R1

160

Decreased

8

30

90

R2

40

Increased




Linearity Range

0

1050

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2

Autoanalyzer MINDRAY BS 480

Test Name CREATININE

Chem.

CREAT

Sample Type

Serum

Reaction Type

Kinetic

Reaction Direction

Positive

Pri. Wave

505 nm

Sec. Wave

700 nm

Unit

mg/dL

Decimal

0.01

Blank Time

 

Reaction Time

 

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

16



R1

160

Decreased

16

30

90

R2

40

Increased




Linearity Range

0

20

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2



Autoanalyzer MINDRAY BS 480

Test Name CRP - WR

Chem.

CRP - WR

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

340 nm

Sec. Wave

700 nm

Unit

mg /L

Decimal

0.1

Blank Time

47

48

Reaction Time

78

79

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

16

R1

200

Decreased

16

30

90

R2

50

Increased

Linearity Range

0

300

### Calibration Setup ( Rules )

Math Model

Spline

Replicates

1

Autoanalyzer MINDRAY BS 480

Test Name GAMMA - GT

Chem.

G - GT

Sample Type

Serum

Reaction Type

Kinetic

Reaction Direction

Positive

Pri. Wave

405 nm

Sec. Wave

Unit

U/L

Decimal

0.1

Blank Time

 

Reaction Time

 

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

20



R1

200

Decreased

20

30

90

R2

50

Increased




Linearity Range

0

230

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2

Autoanalyzer MINDRAY BS 480

Test Name GLUCOSE

Chem.

GLU

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

505 nm

Sec. Wave

700 nm

Unit

mg/dL

Decimal

0

Blank Time

9

10

Reaction Time

80

82

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

2

R1

200

Decreased

2

30

90

R2

Increased

Linearity Range

0

400

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2

Autoanalyzer MINDRAY BS 480

Test Name HBA1C

Chem.

HbA1C

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

660 nm

Sec. Wave

Unit

%

Decimal

0.1

Blank Time

47

48

Reaction Time

81

82

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

4

R1

150

Decreased

4

R2

50

Increased

Linearity Range

0

16

### Calibration Setup ( Rules )

Math Model

Spline

Replicates

1

Autoanalyzer MINDRAY BS 480

Test Name HDL - CHOLESTEROL

Chem.

HDL-C

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

570 nm

Sec. Wave

700 nm

Unit

mg/dL

Decimal

0

Blank Time

47

48

Reaction Time

81

82

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

2

R1

150

Decreased

2

30

90

R2

50

Increased

Linearity Range

0

150

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2

Autoanalyzer MINDRAY BS 480

Test Name IRON

Chem.

IRON

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

570 nm

Sec. Wave

700 nm

Unit

$\mu\text{g/dL}$

Decimal

0

Blank Time

46

48

Reaction Time

80

82

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

20

R1

160

Decreased

20

30

90

R2

40

Increased

Linearity Range

0

250

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2

Autoanalyzer MINDRAY BS 480

Test Name LDH

Chem.

LDH

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Negative

Pri. Wave

340 nm

Sec. Wave

412 nm

Unit

U/L

Decimal

0

Blank Time

 

Reaction Time

 

Sample vol. Aspirated Diluent  Sample Blank

Standard

4



R1

160

Decreased

4

30

90

R2

40

Increased




Linearity Range

0

1600

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2

Autoanalyzer MINDRAY BS 480

Test Name LDL - CHOLESTEROL

Chem.

LDL-C

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

570 nm

Sec. Wave

700 nm

Unit

mg/dL

Decimal

0

Blank Time

47

48

Reaction Time

81

82

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

2

R1

150

Decreased

2

30

90

R2

50

Increased

Linearity Range

0

400

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2



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کارخانه: ۸۱-۸۰-۳۹-۵۳-۳۴ (017) 98+ پستی: ۰۴ ۱۴۰ ۰۹۳۶-۳۱-۲۴ ۸۷۱ ۰۹۱۲

Autoanalyzer MINDRAY BS 480

Test Name LIPASE

Chem.

LIPASE

Sample Type

Serum

Reaction Type

Kinetic

Reaction Direction

Positive

Pri. Wave

570 nm

Sec. Wave

700 nm

Unit

U/L

Decimal

0

Blank Time

 

Reaction Time

 

Sample vol. Aspirated Diluent  Sample Blank

Standard

4



R1

160

Decreased

4

30

90

R2

40

Increased




Linearity Range

0

6

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2



Autoanalyzer MINDRAY BS 480

Test Name MAGNESIUM

Chem.

MG

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

546 nm

Sec. Wave

700 nm

Unit

mg/dL

Decimal

0.1

Blank Time

9

10

Reaction Time

41

42

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

2

R1

200

Decreased

2

30

90

R2

Increased

Linearity Range

0

5

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2

Autoanalyzer MINDRAY BS 480

Test Name PHOSPHORUS

Chem.

PHOS

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

340 nm

Sec. Wave

415 nm

Unit

mg/dL

Decimal

0.1

Blank Time

9

10

Reaction Time

41

42

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

4

R1

200

Decreased

4

30

90

R2

Increased

Linearity Range

0

15

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2



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Autoanalyzer MINDRAY BS 480

Test Name TIBC

Chem.

TIBC

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

660 nm

Sec. Wave

800 nm

Unit

$\mu\text{g/dL}$

Decimal

0

Blank Time

47

48

Reaction Time

81

82

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

15

R1

200

Decreased

15

30

90

R2

60

Increased

Linearity Range

6

500

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2

Autoanalyzer MINDRAY BS 480

Test Name TOTAL PROTEIN

Chem.

Total.Pro

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

546 nm

Sec. Wave

700 nm

Unit

g/dL

Decimal

0.1

Blank Time

9

10

Reaction Time

41

42

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

4

R1

200

Decreased

4

30

90

R2

Increased

Linearity Range

0

6

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2

Autoanalyzer MINDRAY BS 480

Test Name TRIGLYCERIDES

Chem.

TG

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

505 nm

Sec. Wave

700 nm

Unit

mg/dL

Decimal

0

Blank Time

9

10

Reaction Time

41

42

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

2

R1

200

Decreased

2

30

90

R2

Increased

Linearity Range

0

700

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2



Autoanalyzer

MINDRAY BS 480

Test Name

UREA

Chem.

UREA

Sample Type

Serum

Reaction Type

Kinetic

Reaction Direction

Negative

Pri. Wave

340 nm

Sec. Wave

412 nm

Unit

mg/dL

Decimal

0

Blank Time

 

Reaction Time

 

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

2



R1

160

Decreased

2

30

90

R2

40

Increased




Linearity Range

0

200

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2



Autoanalyzer

MINDRAY BS 480

Test Name

URIC ACID

Chem.

U.A

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

546 nm

Sec. Wave

700 nm

Unit

mg/dL

Decimal

0.1

Blank Time

47

48

Reaction Time

81

82

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

4

R1

200

Decreased

4

30

90

R2

50

Increased

Linearity Range

0

15

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2

Autoanalyzer MINDRAY BS 480

Test Name URINE PROTEIN

Chem.

U.PRO

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

578 nm

Sec. Wave

Unit

mg/dL

Decimal

0

Blank Time

9

10

Reaction Time

81

82

Sample vol.

Aspirated

Diluent

Sample Blank

Standard

9

R1

180

Decreased

9

30

90

R2

Increased

Linearity Range

0

100

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2



Autoanalyzer MINDRAY BS 480

Test Name ZINC

Chem.

ZINC

Sample Type

Serum

Reaction Type

End Point

Reaction Direction

Positive

Pri. Wave

546 nm

Sec. Wave

700 nm

Unit

mg/dL

Decimal

0

Blank Time

9

10

Reaction Time

41

42

Sample vol. Aspirated Diluent  Sample Blank

Standard

10

R1

200

Decreased

10

30

90

R2

Increased

Linearity Range

0

500

### Calibration Setup ( Rules )

Math Model

Two Point Linear

Replicates

2

