APPLICATION NOTE
HITACHI 704

α1-ANTITRYPSIN SD (AUT-KIT)

1. Reagent preparation

Sample: Dilute 1:20 in 9 g/L NaCl
Calibration: Dilute Protein Standard High 1:20, 1:40, 1:80 and 1:160 in 9 g/L NaCl to set up a calibration curve. Use 9 g/L NaCl as zero point.
Antiserum: Ready for use
Buffer: Ready for use

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	AAT
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	10
R1 VOLUME (µL)	250 - 50 - NO
R2 VOLUME (µL)	20 - 20 - NO
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR [4] - [5]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	0 - 0
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	2000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	0 - INCREASE
PROZON LIMIT	0 - LOWER
EXPECTED VALUE	92 - 200
INSTRUMENT FACTOR	1.00

* Concentration of calibrator
** Data entered by operator

3. Order information

AAT/AUT-000 1 x 10 mL Antiserum
5 x 25 mL Buffer
MPS/STH-001 Protein Standard High , 1 mL
139F003 Immunology Control Low, 1mL
139F002 Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704

α1-ACID GLYCOPROTEIN SD (AUT-KIT)

1. Reagent preparation

Sample: Dilute 1:20 in Saline 9 g/L
Calibration: Dilute Protein Standard High 1:20, 1:40, 1:80 and 1:160 in 9 g/L NaCl to set up a calibration curve. Use 9 g/L NaCl as zero point.
Antiserum: Ready for use
Buffer: Ready for use

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	AGP
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	20
R1 VOLUME (µL)	230 - 50 - 0
R2 VOLUME (µL)	30 -20 - 0
WAVELENGTH	700 – 340
CALIB. METHOD	NON LINEAR [4] - [5]
STD 1 CONC. POS.	0 – 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	0 – 0
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	2000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	32000 – INCREASE
PROZON LIMIT	-32000 – LOWER
EXPECTED VALUE	40 – 130
INSTRUMENT FACTOR	1.00

* concentration of calibrator
** Data entered by operator

3. Order information

AGP/AUT-000	1 x 10 mL antiserum
	5 x 25 mL Buffer
MPS/STH-001	Protein Standard High , 1 mL
139F003	Immunology Control Low, 1mL
139F002	Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704

IgA KIT
2nd GENERATION

1. Reagent preparation

Sample: Dilute 1:10 in Saline 9 g/L
Calibration: Dilute Protein Standard High 1:10, 1:20, 1:40 and 1:80 in 9 g/L in saline 9 g/L to set up a calibration curve.Use 9 g/L NaCL as zero point.
Antiserum: Ready for use
Buffer: Ready for use

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	IGA2
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	10
R1 VOLUME (µL)	240 - 50 - 0
R2 VOLUME (µL)	20 - 20 - 0
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR [4] - [5]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	0 - 0
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	1000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	32000 - INCREASE
PROZON LIMIT	-32000 - LOWER
EXPECTED VALUE	70 - 410
INSTRUMENT FACTOR	1.00

* Concentration of calibrator
** Data entered by operator

3. Order information

104C002	1 x 10 mL Antiserum 5 x 25 mL Buffer
MPS/STH-001	Protein Standard High , 1 mL
139F003	Immunology Control Low, 1mL
139F002	Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704

IgG SD (AUT-KIT)

1. Reagent preparation

Sample: Dilute 1:10 in Saline 9 g/L
Calibration: Dilute Protein Standard High 1:10, 1:20, 1:40 and 1:80 in saline 9 g/L to set up a calibration curve. Use 9 g/L NaCl as zero point.
Antiserum: Ready for use
Buffer: **Do not use the buffer(0.5% PEG) of the AUT-Kit,but use a 4% PEG buffer**

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	IGG
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	4
R1 VOLUME (µL)	250 - 50 - 0
R2 VOLUME (µL)	20 - 20 - 0
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR [4] - [5]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	0 - 0
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	1000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	32000 - INCREASE
PROZON LIMIT	-32000 - LOWER
EXPECTED VALUE	690 - 1400
INSTRUMENT FACTOR	1.00

* Concentration of calibrator
** Data entered by operator

3. Order information

IGG/AUT-000	1 x 10 mL Antiserum 5 x 25 mL Buffer
PG4/BUF-100	**4% PEG Buffer , 100 mL**
MPS/STH-001	Protein Standard High , 1 mL
139F003	Immunology Control Low, 1mL
139F002	Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704

IgG 2ND GENERATION

1. Reagent preparation

Sample: Dilute 1:10 in Saline 9 g/L
Antiserum: Ready for use
Buffer: Ready for use
Calibration: Dilute Protein Standard High 1:10, 1:20, 1:40, 1:80 and 1:160 in saline 9 g/L to set up a calibration curve. Use 9 g/L NaCl as zero point.

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	IGG
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	5
R1 VOLUME (µL)	250 - 50 - 0
R2 VOLUME (µL)	25 - 20 - 0
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR [4] - [6]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	* - **
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	1000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	32000 - INCREASE
PROZON LIMIT	-32000 - LOWER
EXPECTED VALUE	** - **
INSTRUMENT FACTOR	1.00

* Concentration of calibrator
** Data entered by operator

3. Order information

105C003	1 x 10 mL Antiserum 5 x 25 mL Buffer
MPS/STH-001	Protein Standard High, 1 mL
139F003	Immunology Control Low, 1mL
139F002	Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704

IgM KIT
2nd GENERATION

1. Reagent preparation

Sample: Dilute 1:10 in Saline 9 g/L
Calibration: Dilute Protein Standard High 1:10, 1:20, 1:40 and 1:80 in saline 9 g/L to set up a calibration curve. Use 9 g/L NaCl as zero point.
Antiserum: Ready for use
Buffer: Ready for use

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	IGM2
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	16
R1 VOLUME (µL)	240 - 50 - 0
R2 VOLUME (µL)	30 - 20 - 0
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR [4] - [5]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	0 - 0
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	1000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	32000 - INCREASE
PROZON LIMIT	-32000 - LOWER
EXPECTED VALUE	34 - 250
INSTRUMENT FACTOR	1.00

* Concentration of calibrator
** Data entered by operator

3. Order information

106C002	1 x 10 mL Antiserum 5 x 25 mL Buffer
MPS/STH-001	Protein Standard High , 1 mL
139F003	Immunology Control Low, 1mL
139F002	Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704

TRANSFERRIN SD (SEL – KIT)

1. Reagent preparation

Sample: Dilute 1:20 in Saline 9 g/L
Calibration: Dilute Protein Standard High 1:20, 1:40, 1:80, 1:160 and 1:320 in saline 9 g/L to set up a calibration curve. Use 9 g/L NaCl as zero point.
Antiserum: Ready for use
Buffer: Ready for use

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	TRF
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	3
R1 VOLUME (µL)	250 - 50 - 0
R2 VOLUME (µL)	10 - 20 - 0
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR [4] - [6]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	* - **
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	1000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	32000 - INCREASE
PROZON LIMIT	-32000 - LOWER
EXPECTED VALUE	170 - 340
INSTRUMENT FACTOR	1.00

* Concentration of calibrator
** Data entered by operator

3. Order information

TRF/SEL-000	1 x 5 mL Antiserum 5 x 25 mL Buffer
MPS/STH-001	Protein Standard High, 1 mL
MPS/STS-5X1	Protein Standard Set, 5 x 1 mL
139F003	Immunology Control Low, 1mL
139F002	Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704

α1-ANTITRYPSIN N-DIL (AUT-KIT)

1. Reagent preparation

Sample: Ready for use
Calibration: Dilute Protein Standard High successively 1:2 in saline 9 g/L to set up a calibration curve. Use 9 g/L NaClas zero point. Alternatively, use the ready for use Protein Standard Set.
Antiserum: Ready for use
Buffer: Ready for use

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	AAT
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	2
R1 VOLUME (µL)	350 - 50 - NO
R2 VOLUME (µL)	70 - 20 - NO
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR [4] - [6]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	* - **
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	2000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	0 - INCREASE
PROZON LIMIT	0 - LOWER
EXPECTED VALUE	92 - 200
INSTRUMENT FACTOR	1.00

* Concentration of calibrator
** Data entered by operator

3. Order information

AAT/AUT-000	1 X 10 mL Antiserum 5 x 25 mL Buffer
MPS/STH-001	Protein Standard High , 1 mL
MPS/STS-5X1	Protein Standard Set, 5 x 1 mL
139F003	Immunology Control Low, 1mL
139F002	Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704
α1-ACID GLYCOPROTEIN N-DIL(AUT-KIT)

1. Reagent preparation
Sample: Ready for use
Calibration: Dilute Protein Standard High successively 1:2 in saline 9 g/L to set up a calibration curve. Use 9 g/L Nacl as zero point. Alternatively, use the ready for use Protein Standard Set.
Antiserum: Ready for use
Buffer: Ready for use

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	AGP
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	2
R1 VOLUME (µL)	400 - 50 - 0
R2 VOLUME (µL)	50 -20 - 0
WAVELENGTH	700 – 340
CALIB. METHOD	NON LINEAR [4] - [6]
STD 1 CONC. POS.	0 – 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	* – **
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	1000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	32000 – INCREASE
PROZON LIMIT	-32000 – LOWER
EXPECTED VALUE	40 – 130
INSTRUMENT FACTOR	1.00

* concentration of calibrator
** Data entered by operator

3. Order information
AGP/AUT-000 1 x 10 mL antiserum
5 x 25 mL Buffer
MPS/STH-001 Protein Standard High , 1 mL
MPS/STS-5X1 Protein Standard Set, 5 x 1 mL
139F003 Immunology Control Low, 1mL
139F002 Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704
ASL(O) N-DIL (AUT-KIT)

1. Reagent preparation

Sample:	Ready for use
Calibrator:	Ready for use
Latex:	Ready for use
Buffer:	Ready for use

R1: Buffer
R2: Latex

2. Instrument setting

TEST	ASL
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	3
R1 VOLUME (µL)	250 - 50 - NO
R2 VOLUME (µL)	50 - 20 - NO
WAVELENGTH	700 - 570
CALIB. METHOD	LINEAR [0] - [0]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	0 - 0
STD 4 CONC. POS.	0 - 0
STD 5 CONC. POS.	0 - 0
STD 6 CONC. POS.	0 - 0
UNIT	IU/mL
SD LIMIT	999
DUPLICATE LIMIT	2000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	0 - INCREASE
PROZON LIMIT	0 - LOWER
EXPECTED VALUE	0 - 200
INSTRUMENT FACTOR	1.00

* Concentration of calibrator
** Data entered by operator

3. Order information

ASL/AUT-000	1 x 10 mL Latex
	5 x 25 mL Buffer
ASL/STH-001	ASL Standard High , 1 mL
ASL/CON-001	ASL Control, 1 mL
ASL/CON-005	ASL Control, 5 mL
139F003	Immunology Control Low, 1mL
139F002	Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704

Complement C3 N-DIL (AUT-KIT)

1. Reagent preparation

Sample: Ready for use
Calibration: Set up a calibration curve by successive 1:2 dilutions of Protein Standard High in saline 9 g/L. Use 9 g/L NaCl as zero point. Alternatively, use the ready for use Protein Standard Set.
Antiserum: Ready for use
Buffer: Ready for use

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	C3
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	2
R1 VOLUME (µL)	250 - 50 - NO
R2 VOLUME (µL)	35 - 20 - NO
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR [4] - [6]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	* - **
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	2000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	0 - INCREASE
PROZON LIMIT	0 - LOWER
EXPECTED VALUE	75 - 135
INSTRUMENT FACTOR	1.00

* Concentration of calibrator
** Data entered by operator

3. Order information

C3C/AUT-000 1 x 10 mL Antiserum
5 x 25 mL Buffer
MPS/STH-001 Protein Standard High , 1 mL
MPS/STS-5X1 Protein Standard Set, 5x1 mL
139F003 Immunology Control Low, 1mL
139F002 Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704

Complement C4 N-DIL (AUT-KIT)

1. Reagent preparation

Sample: Ready for use
Calibration: Set up a calibration curve by successive 1:2 dilutions of Protein Standard High in saline 9 g/L. Use 9 g/L NaCl as zero point. Alternatively, use the ready for use Protein Standard Set.
Antiserum: Ready for use
Buffer: Ready for use

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	C4
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	4
R1 VOLUME (µL)	250 - 50 - NO
R2 VOLUME (µL)	30 - 20 - NO
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR [4] - [5]
STD 1 CONC. POS.	0.0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	0 - 0
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	2000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	0 - INCREASE
PROZON LIMIT	0 - LOWER
EXPECTED VALUE	9 - 36
INSTRUMENT FACTOR	1.00

* Concentration of calibrator
** Data entered by operator

3. Order information

C4C/AUT-000 1 x 10 mL Antiserum
5 x 25 mL Buffer
MPS/STH-001 Protein Standard High , 1 mL
MPS/STS-5X1 Protein Standard Set, 5 x 1 mL
139F003 Immunology Control Low, 1mL
139F002 Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704
CERULOPLASMIN N-DIL (AUT-KIT)

1. Reagent preparation
Sample: Ready for use
Calibration: Set up a calibration curve by successive 1:2 dilutions of Protein Standard High in saline 9 g/L.Alternatively use the ready for use Protein Standard Set. Use 9 g/L NaCl as zero point.
Antiserum: Ready for use
Buffer: Ready for use

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	CER
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	2
R1 VOLUME (µL)	250 - 50 - NO
R2 VOLUME (µL)	30 - 20 - NO
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR [4] - [6]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	* - **
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	1000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	0 - INCREASE
PROZON LIMIT	0 - LOWER
EXPECTED VALUE	22 - 61
INSTRUMENT FACTOR	1.00

* Concentration of calibrator
** Data entered by operator

3. Order information

CER/AUT-000	1 x 10 mL Antiserum 5 x 25 mL Buffer
MPS/STH-001	Protein Standard High , 1 mL
MPS/STS-5X1	Protein Standard Set, 5 x 1 mL
139F003	Immunology Control Low, 1mL
139F002	Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704

C-Reactive Protein N-DIL (AUT-KIT)

1 Reagent preparation

Sample : Ready for use
Calibration : Dilute CRP standard High successively 1:2 in saline 9g/L in order to set up a calibration curve .Alternatively use the ready for use CRP Standard Set. Use 9 g/L NaCl as zero point.
Antiserum : Ready for use
Buffer : Ready for use

R1 : Buffer
R2 : Antiserum

2. Instrument setting

TEST	CRP
ASSAY CODE	[2 points] : [15] - [32]
SAMPLE VOL (µL)	15
R1 VOLUME (µL)	250 - 50 - NO
R2 VOLUME (µL)	25 - 20 - NO
WAVELENGTH	700 - 340
CALIB. METHOD	NONLINEAR [4] - [6]
STD 1 CONC. POS.	0.00 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD5 CONC. POS.	* - **
STD 6 CONC. POS.	* - **
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	2000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	0 - INCREASE
PROZON LIMIT	0 - LOWER
EXPECTED VALUE	0 – 1.00
INSTRUMENT FACTOR	1.00

3. Order information

CRP/AUT-000	1 x 10 mL Antiserum 5 x 25 mL Buffer
CRP/STH-001	CRP Standard High, 1 mL
CRP/STS-5X1	CRP Standard set, 5 x 1 mL
CRP/COL-001	CRP Control Low, 1 mL
CRP/COH-001	CRP Control High, 1 mL
139F003	Immunology Control Low, 1mL
139F002	Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704

RHEUMATOID FACTOR N-DIL (AUT-KIT)

(LATEX METHOD)

1. Reagent preparation

Sample: Ready for use
Calibration: Set up a calibration curve by successive 1:2 dilutions of the RF Standard High in saline 9 g/L. Use 9 g/L NaCl as zero point.
Latex: Ready for use
Buffer: Ready for use

R1: Buffer
R2: Latex

2. Instrument setting

TEST	RHF
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	2
R1 VOLUME (µL)	350 - 50 - NO
R2 VOLUME (µL)	30 - 20 - NO
WAVELENGTH	700 - 570
CALIB. METHOD	NONLINEAR [1] - [4]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	0 - 0
STD 6 CONC. POS.	0 - 0
UNIT	IU/mL
SD LIMIT	999
DUPLICATE LIMIT	2000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	0 - INCREASE
PROZON LIMIT	0 - LOWER
EXPECTED VALUE	0 - 50
INSTRUMENT FACTOR	1.00

* Concentration of calibrator
** Data entered by operator

3. Order information

RF2/AUT-000	1 x 10 mL Latex 5 x 25 mL Buffer
RHF/STH-001	RF Standard High , 1 mL
RHF/CON-001	RF Control, 1 mL
RHF/CON-005	RF Control, 5 mL

APPLICATION NOTE
HITACHI 704
HAPTOGLOBIN N-DIL (AUT-KIT)

1. Reagent preparation
Sample: Ready for use
Calibration: Set up a calibration curve by successive 1:2 dilutions of Protein Standard High in saline 9 g/L.Alternatively use the ready for use Protein Standard Set. Use 9 g/L NaCl as zero point.
Antiserum: Ready for use
Buffer: Ready for use

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	HAP
ASSAY CODE	[2 points] : [15] - [32]
SAMPLE VOL (µL)	2
R1 VOLUME (µL)	280 - 50 - NO
R2 VOLUME (µL)	40 - 20 - NO
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR [4] - [6]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	* - **
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	2000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	0 - INCREASE
PROZON LIMIT	0 - LOWER
EXPECTED VALUE	34 - 200
INSTRUMENT FACTOR	1.00

* Concentration of calibrator
** Data entered by operator

3. Order information

HAP/AUT -000	1 x 10 mL Antiserum 5 x 25 mL Buffer
MPS/STH-001	Protein Standard High , 1 mL
MPS/STS-5x1	Protein Standard Set, 5x 1 mL
139F003	Immunology Control Low, 1mL
139F002	Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704
IgA 2ND GENERATION

1. Reagent preparation

Sample: Ready for use
Antiserum: Ready for use
Buffer: Ready for use
Calibration: Dilute Protein Standard High successively 1:2 in 9 g/L NaCl to set up a calibration curve. Use 9 g/L NaCl as zero point. Alternatively, use the ready for use Protein Standard Set.

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	IGA
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	2
R1 VOLUME (µL)	350 - 50 - 0
R2 VOLUME (µL)	60 - 20 - 0
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR [4] - [6]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	* - **
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	1000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	32000 - INCREASE
PROZON LIMIT	-32000 - LOWER
EXPECTED VALUE	** - **
INSTRUMENT FACTOR	1.00

* Concentration of calibrator
** Data entered by operator

3. Order information

104C002	1 x 10 mL Antiserum 5 x 25 mL Buffer
MPS/STH-001	Protein Standard High, 1 mL
MPS/STS-5X1	Protein Standard Set, 5 x 1 mL
139F003	Immunology Control Low, 1mL
139F002	Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704

IgG N-DIL (AUT-KIT)

1. Reagent preparation

Sample: Ready for use
Antiserum: Ready for use
Buffer : Ready for use
Calibration: Dilute Protein Standard High successively 1:2 in 9 g/L NaCl to set up a calibration curve. Use 9 g/L NaCl as zero point. Alternatively, use the ready for use Protein Standard Set.

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	IGG
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	2
R1 VOLUME (µL)	330 - 50 - 0
R2 VOLUME (µL)	75 - 20 - 0
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR [1] - [6]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	* - **
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	1000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	32000 - INCREASE
PROZON LIMIT	-32000 - LOWER
EXPECTED VALUE	690 - 1400
INSTRUMENT FACTOR	1.00

* Concentration of calibrator
** Data entered by operator

3. Order information

IGG/AUT-000 1 x 10 mL Antiserum
5 x 25 mL Buffer
MPS/STH-001 Protein Standard High , 1 mL
MPS/STS-5X1 Protein Standard Set, 5 x 1 mL
139F003 Immunology Control Low, 1mL
139F002 Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704
IgM 2ND GENERATION

1. Reagent preparation

Sample: Ready for use
Antiserum: Ready for use
Buffer: Ready for use
Calibration: Dilute Protein Standard High successively 1:2 in 9 g/L NaCl to set up a calibration curve. Use 9 g/L NaCl as zero point. Alternatively, use the ready for use Protein Standard Set.

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	IGM
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	2
R1 VOLUME (µL)	350 - 50 - 0
R2 VOLUME (µL)	50 - 20 - 0
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR [4] - [6]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	* - **
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	1000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	32000 - INCREASE
PROZON LIMIT	-32000 - LOWER
EXPECTED VALUE	** - **
INSTRUMENT FACTOR	1.00

* Concentration of calibrator
** Data entered by operator

3. Order information

106C002	1 x 10 mL Antiserum 5 x 25 mL Buffer
MPS/STH-001	Protein Standard High, 1 mL
MPS/STS-5X1	Protein Standard Set, 5 x 1 mL
139F003	Immunology Control Low, 1mL
139F002	Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704
MICROALBUMIN KIT
2nd Generation

1. Reagent preparation

Sample:	Centifuged urine, ready for use
Calibration:	Dilute the Microalbumin Standard successively 1:2 in 0.9 g % NaCl in order to set up a calibration curve. Alternatively use the ready for use Microalbumin Standard Set. Use 9 g/L NaCL as zero point
Antiserum:	Ready for use
Buffer:	Ready for use

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	MALB
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	16
R1 VOLUME (µL)	250 - 50 - NO
R2 VOLUME (µL)	40 - 20 - NO
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR [4] - [6]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	* - **
UNIT	mg/L
SD LIMIT	999
DUPLICATE LIMIT	2000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	0 - INCREASE
PROZON LIMIT	0 - LOWER
EXPECTED VALUE	0 - 25
INSTRUMENT FACTOR	1.00

* Concentration of calibrator
** Data entered by operator

3. Order information

102C002	1 x 10 mL Antiserum 5 x 25 mL Buffer
MAL/STD-001	Microalbumin Standard, 1 mL
MAL/STS-5x1	Microalbumin Standard Set, 5x1 mL
MAL/CON-001	Microalbumin Control, 1 mL
MAL/CON-005	Microalbumin Control, 5 mL

APPLICATION NOTE
HITACHI 704
PREALBUMIN N-DIL (AUT-KIT)

1. Reagent preparation
Sample: Ready for use
Calibration: Dilute Protein Standard High successively 1:2 in saline 9 g/L to set up a calibration curve. Use 9 g/L NaCl as zero point. Alternatively, use the ready for use Protein Standard Set.
Antiserum: Ready for use
Buffer: Ready for use

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	PAL
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	3
R1 VOLUME (µL)	250
R2 VOLUME (µL)	35
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR [4] - [6]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	* - **
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	2000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	0 - INCREASE
PROZON LIMIT	0 - LOWER
EXPECTED VALUE	21 - 41
INSTRUMENT FACTOR	1.000

* Concentration of calibrator
** Data entered by operator

3. Order information

PAL/AUT-000	1 x 10 mL Antiserum 5 x 25 mL Buffer
MPS/STH-001	Protein Standard High , 1 mL
MPS/STS-5x1	Protein Standard Set, 5x1 mL
139F003	Immunology Control Low, 1mL
139F002	Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704
TRANSFERRIN N-DIL (AUT-KIT)

1. Reagent preparation
Sample: Ready for use
Calibration: Transferrin Standard Set,ready for use. Use 9 g/L NaCl as zero point.
Antiserum: Ready for use
Buffer: Ready for use

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	TRF
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	3
R1 VOLUME (µL)	300 - 50 - NO
R2 VOLUME (µL)	30 - 20 - NO
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR [4] - [6]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	* - **
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	1000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	0 - INCREASE
PROZON LIMIT	32000 - UPPER
EXPECTED VALUE	170 - 340
INSTRUMENT FACTOR	1.0

* Concentration of calibrator
** Data entered by operator

3. Order information

TRF/AUT-000	1 x 10 mL Antiserum
	5 x 25 mL Buffer
TRF/STS-5X1	Transferrin Standard Set, 5 x 1 mL
139F003	Immunology Control Low, 1mL
139F002	Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 704
TRANSFERRIN N-DIL (AUT-KIT)

1. Reagent preparation
Sample: Ready for use
Calibration: Transferrin Standard Set,ready for use. Use 9 g/L NaCl as zero point.
Antiserum: Ready for use
Buffer: Ready for use

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	TRF
ASSAY CODE	[2 points]: [15] - [32]
SAMPLE VOL (µL)	3
R1 VOLUME (µL)	300 - 50 - NO
R2 VOLUME (µL)	30 - 20 - NO
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR [4] - [6]
STD 1 CONC. POS.	0 - 1
STD 2 CONC. POS.	* - **
STD 3 CONC. POS.	* - **
STD 4 CONC. POS.	* - **
STD 5 CONC. POS.	* - **
STD 6 CONC. POS.	* - **
UNIT	mg/dL
SD LIMIT	999
DUPLICATE LIMIT	1000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	0 - INCREASE
PROZON LIMIT	32000 - UPPER
EXPECTED VALUE	170 - 340
INSTRUMENT FACTOR	1.0

* Concentration of calibrator
** Data entered by operator

3. Order information

TRF/AUT-000	1 x 10 mL Antiserum 5 x 25 mL Buffer
TRF/STS-5X1	Transferrin Standard Set, 5 x 1 mL
139F003	Immunology Control Low, 1mL
139F002	Immunology Control High, 1 mL