

APPLICATION NOTE

HITACHI 717

α 1-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 with 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]: [24] - [50]
SAMPLE VOL (μ L)	10
R1 VOLUME (μ L)	250 - 50 - NO
R2 VOLUME (μ L)	35 - 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
PANIC VALUE	500
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 717
IgA KIT
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 and 1:80 in 9 g/L NaCl to set up a calibration curve. Use 9 g/L NaCl as zero point.

R1: Buffer
 R2: Antiserum

2. Instrument setting

TEST	IGA2
ASSAY CODE	[2 points]: [24] - [50]
SAMPLE VOL (µL)	10
R1 VOLUME (µL)	240 - 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	1000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	0 - INCREASE
PROZON LIMIT	0 - LOWER
EXPECTED VALUE	70 - 406
PANIC VALUE	600
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 717
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 9 g/L NaCl 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]: [24] - [50]
SAMPLE VOL (µL)	5
R1 VOLUME (µL)	250 - 50 - NO
R2 VOLUME (µL)	25 - 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	** - **
PANIC VALUE	2800
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 717
IgG SD (AUT-KIT)

1. Reagent preparation

Sample: Dilute 1:10 in Saline 9 g/L

Antiserum: Ready for use

Buffer: **The IgG buffer of the AUT-Kit can not be used for the measurement of IgG with predilution of the serum sample, a PEG 4% buffer has to be used.**

Calibration: Dilute Protein Standard High 1:10,1:20,1:40 and 1:80 in 9 g/L NaCl 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]: [24] - [50]
SAMPLE VOL (µL)	4
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	1000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	0- INCREASE
PROZON LIMIT	0- LOWER
EXPECTED VALUE	680 - 1445
PANIC VALUE	2800
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 717
IgM KIT
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 and 1:80 in 9 g/L NaCl to set up a calibration curve. Use 9 g/L NaCl as zero point.

R1: Buffer
 R2: Antiserum

2. Instrument setting

TEST	IGM2
ASSAY CODE	[2 points]: [24] - [50]
SAMPLE VOL (µL)	16
R1 VOLUME (µL)	240 - 50 -NO
R2 VOLUME (µL)	30 - 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	1000
SENSITIVITY LIMIT	0
ABS. LIMIT (INCR./DECR.)	0- INCREASE
PROZON LIMIT	0- LOWER
EXPECTED VALUE	33 - 250
PANIC VALUE	500
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 717
 α 1-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 saline 9 g/L as zero point. Alternatively, use the ready for use Protein Standard Series.

Antiserum: Ready for use

Buffer: Ready for use

R1: Buffer

R2: Antiserum

2. Instrument setting

TEST	AAT
ASSAY CODE	[2 points]: [24] - [50]
SAMPLE VOL (μ L)	2
R1 VOLUME (μ L)	350 - 50 - NO
R2 VOLUME (μ L)	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
PANIC VALUE	500
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 Series, 5 x 1 mL

139F003 Immunology Control Low, 1mL

139F002 Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 717

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 saline 9 g/L as zero point. Alternatively, use the ready for use Protein Standard Series

Antiserum: Ready for use

Buffer: Ready for use

R1: Buffer

R2: Antiserum

2. Instrument setting

TEST	AGP
ASSAY CODE	[2 points]: [24] - [50]
SAMPLE VOL (μL)	2
R1 VOLUME (μL)	400 – 50 - NO
R2 VOLUME (μL)	50 – 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	40 - 130
PANIC VALUE	300
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 Series, 5 x 1 mL

139F003 Immunology Control Low, 1mL

139F002 Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 717
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]: [24] - [50]
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
PANIC VALUE	400
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(O) Standard High, 1 mL

139F003 Immunology Control Low, 1mL

139F002 Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 717
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 the 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]: [24] - [50]
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
PANIC VALUE	400
INSTRUMENT FACTOR	1.000

* 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, 5 x 1 mL
 139F003 Immunology Control Low, 1mL
 139F002 Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 717
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 the Protein Standard High in saline 9 g/L. Use saline 9 g/L as zero point. Alternatively use the ready for use Protein Standard Series
 Antiserum: Ready for use
 Buffer: Ready for use

R1: Buffer
 R2: Antiserum

2. Instrument setting

TEST	C4
ASSAY CODE	[2 points]: [24] - [50]
SAMPLE VOL (µL)	4
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.	0.0 - 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	9.0 – 36.0
PANIC VALUE	90.0
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 Series, 5 x 1 mL
 139F003 Immunology Control Low, 1mL
 139F002 Immunology Control High, 1 mL

APPLICATION NOTE

HITACHI 717

CERULOPLASMIN 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 saline 9 g/L as zero point. Alternatively, use the ready for use Protein Standard Series

Antiserum: Ready for use

Buffer: Ready for use

R1: Buffer

R2: Antiserum

2. Instrument setting

TEST	CER
ASSAY CODE	[2 points]: [24] - [50]
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
PANIC VALUE	120
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 Serum High , 1 mL

MPS/STS-5X1 Protein Standard Series, 5 x 1 mL

139F003 Immunology Control Low, 1mL

139F002 Immunology Control High, 1 mL

APPLICATION NOTE

HITACHI 717

C-REACTIVE PROTEIN N-DIL (AUT-KIT)

1 Reagent preparation

Sample: Ready for use
 Calibration: Dilute CRP Standard high successively 1:2 in saline 9 g/L to set up a calibration curve.
 Use saline 9 g/L as zero point. Alternatively, use the CRP Standard Series.
 Antiserum (R2): Ready for use
 Buffer (R1): Ready for use

2. Instrument setting

TEST	CRP
ASSAY CODE	[2 points] : [24] - [50]
SAMPLE VOL (µL)	15
R1 VOLUME (µL)	250 - 50 - NO
R2 VOLUME (µL)	25 - 20 - NO
WAVELENGTH	700 - 340
CALIB. METHOD	NON LINEAR 4 – 6
STD 1 CONC. POS.	0.00 - 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	0 - 1.0
PANIC VALUE	20
INSTRUMENT FACTOR	1.00

**Data entered by operator

*concentration of calibrator

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 717
RHEUMATOID FACTOR N-DIL (AUT-KIT)
(LATEX)

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]: [24] - [50]
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
PANIC VALUE	200
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 717

HAPTOGLOBIN 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 saline 9 g/L as zero point. Alternatively, use the ready for use Protein Standard Series

Antiserum: Ready for use

Buffer: Ready for use

R1: Buffer

R2: Antiserum

2. Instrument setting

TEST	HAP
ASSAY CODE	[2 points] : [24] - [50]
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
PANIC VALUE	500
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, 5 x 1 mL

139F003 Immunology Control Low, 1mL

139F002 Immunology Control High, 1 mL

APPLICATION NOTE
HITACHI 717
IgA 2ND GENERATION

1. Reagent preparation

Sample: Ready for use
 Antiserum: Ready for use
 Buffer: Ready for use
 Calibration: Dilute the 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]: [24] - [50]
SAMPLE VOL (µL)	2
R1 VOLUME (µL)	350 - 50 - NO
R2 VOLUME (µL)	60 - 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	** - **
PANIC VALUE	600
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 717

IgG N-DIL (AUT-KIT)

1. Reagent preparation

Sample: Ready for use
 Antiserum: Ready for use
 Buffer: Ready for use
 Calibration: Dilute the 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]: [24] - [50]
SAMPLE VOL (µL)	2
R1 VOLUME (µL)	330 - 50 - NO
R2 VOLUME (µL)	75 - 20 - NO
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.)	0 - INCREASE
PROZON LIMIT	0 - LOWER
EXPECTED VALUE	680 - 1445
PANIC VALUE	2800
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 717
IgM 2ND GENERATION

1. Reagent preparation

Sample: Ready for use
 Antiserum: Ready for use
 Buffer: Ready for use
 Calibration: Dilute the 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]: [24] - [50]
SAMPLE VOL (µL)	2
R1 VOLUME (µL)	350 - 50 - NO
R2 VOLUME (µL)	50 - 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	** - **
PANIC VALUE	500
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 717
MICROALBUMIN N-DIL
2nd GENERATION

1. Reagent preparation

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

R1: Buffer
R2: Antiserum

2. Instrument setting

TEST	MAL2
ASSAY CODE	[2 points]: [24] - [50]
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
PANIC VALUE	400
INSTRUMENT FACTOR	1.00

* Concentration of calibrator

** Data entered by operator

3. Order information

MAL/AUT2-000 1 x 10 mL Antiserum
5 x 25 mL Buffer
MAL/STD-001 Microalbumin Standard, 1 mL
MAL/CON-001 Microalbumin Control, 1 mL
MAL/CON-005 Microalbumin Control, 5 mL

APPLICATION NOTE
HITACHI 717
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 Series.

Antiserum: Ready for use

Buffer: Ready for use

R1: Buffer

R2: Antiserum

2. Instrument setting

TEST	PAL
ASSAY CODE	[2 points]: [24] - [50]
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
PANIC VALUE	140
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,5 x 1 mL

139F003 Immunology Control Low, 1mL

139F002 Immunology Control High, 1 mL

APPLICATION NOTE

HITACHI 717

TRANSFERRIN N-DIL (AUT-KIT)

1. Reagent preparation

Sample: ready for use

Calibration: TRF standard series, 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]: [24] - [50]
SAMPLE VOL (µL)	3
R1 VOLUME (µL)	300 - 50 - NO
R2 VOLUME (µL)	30 - 20 - NO
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.)	0 - INCREASE
PROZON LIMIT	32000 - UPPER
EXPECTED VALUE	170 - 340
PANIC VALUE	500
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