

# APPLICATION NOTE

## HITACHI 911

### $\alpha$ 1-ANTITRYPSIN SD(AUT-KIT)

#### 1. Reagent preparation

All reagents are ready for use

R1: Buffer      R2: none      R3: Antiserum      R4: none

#### 2. Instrument setting

TEST	[AAT]	WAVELENGTH (2nd/Primary):	[700]/[340]			
ASSAY CODE	[2Point End] [10] [ ]	Diluent/Rgt Stability	[*] [99]			
ASSAY POINT	[15] - [31] - [0] - [0]					
S. VOL (Regular)	[5] [10]		[95]			
S. VOL (Decrease)	[5] [5]		[95]			
S. VOL (Increase)	[0] [0]		[0]			
ABSORB LIM	[-32000]		[32000] [Increase]			
PROZONE LIM	[-32000]		[32000] [Upper]			
REAGENT	R1 [250] [0]	[**] [0]				
	R2 [0] [0]	[ ] [0]				
	R3 [30] [0]	[**] [0]				
	R4 [0] [0]	[ ] [0]				
CALIB TYPE	[Spline] [5] [0]	[0] [ ]				
AUTO TIME OUT BLANK	[0]	SD LIM	[999]			
	SPAN [0]	DUPLICATE LIM	[2000]			
	2POINT [0]	SENSITIVITY LIM	[0]			
	FULL [0]	S1ABS LIM	[-32000] [32000]			
AUTO CHANGE OF LOT	[cancel]	COMPENSATED LIM	[ ]			
CHANGE OF BOTTLE	[cancel]					
TEST	[AAT] [**]	TEST NAME [AAT]	UNIT [mg/dL]			
DATA MODE	[on board]	REPORT NAME	[ $\alpha$ 1-Antitrypsin]			
QC INTERVAL	[0]	INSTRUMENT FACTOR (y=ax +b)	a[1.0] b[0.0]			
EXPECTED VALUES	[89] [205]					
TECHNICAL LIMIT	[0] - [500]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0]	1	[10]	[0]	[0]	[**]
(2)	[**]	***	[5]	[5]	[195]	[**]
(3)	[**]	***	[5]	[5]	[95]	[**]
(4)	[**]	***	[5]	[10]	[95]	[**]
(5)	[**]	***	[10]	[10]	[90]	[**]
(6)	[0]		[ ]	[ ]	[ ]	[ ]

\* Diluent name

\*\* Testnumber

\*\*\* Entered by operator

#### 3. Ordering information

AAT/AUT-000 1 x 10 mL  $\alpha$ 1-Antitrypsin Antiserum  
5x 25 mL AAT Buffer

MPS/STL-001 Protein Standard Low , 1 mL

139F003 Immunology Control Low, 1mL

139F002 Immunology Control High, 1mL

# APPLICATION NOTE

## HITACHI 911

### **$\alpha$ 1-ACID GLYCOPROTEIN SD(AUT-KIT)**

#### 1. Reagent preparation

All reagents are ready for use

R1: Buffer      R2: none      R3: Antiserum      R4: none

#### 2. Instrument setting

TEST	[AGP]	WAVELENGTH (2nd/Primary):	[700]/[340]
ASSAY CODE	[2Point End] [10] [ ]	Diluent/Rgt Stability	[*] [99]
ASSAY POINT	[15] - [31] - [0] - [0]	S. VOL (Regular)	[10] [10] [90]
S. VOL (Regular)	[10] [10]	S. VOL (Decrease)	[10] [5] [90]
S. VOL (Decrease)	[10] [5]	S. VOL (Increase)	[0] [0] [0]
S. VOL (Increase)	[0] [0]	ABSORB LIM	[-32000] [32000][Increase]
ABSORB LIM	[-32000]	PROZONE LIM	[-32000][Upper]
PROZONE LIM	[-32000]	REAGENT R1	[220] [0] [**] [0]
REAGENT R1	[220] [0]	R2	[0] [0] [ ] [0]
REAGENT R2	[0] [0]	R3	[20] [0] [**] [0]
REAGENT R3	[20] [0]	R4	[0] [0] [ ] [0]
REAGENT R4	[0] [0]	CALIB TYPE	[Spline] [5] [0] [0] [ ]
CALIB TYPE	[Spline] [5]	AUTO TIME OUT BLANK	[0] SD LIM [999]
AUTO TIME OUT BLANK	[0]	SPAN	[0] DUPLICATE LIM [2000]
SPAN	[0]	2POINT	[0] SENSITIVITY LIM [0]
2POINT	[0]	FULL	[0] S1ABS LIM [-32000] [32000]
FULL	[0]	AUTO CHANGE OF LOT	[cancel] COMPENSATED LIM [ ]
AUTO CHANGE OF LOT	[cancel]	CHANGE OF BOTTLE	[cancel]
CHANGE OF BOTTLE	[cancel]	TEST	[AGP] [**]
TEST	[AGP] [**]	TEST NAME	[AGP] UNIT [mg/dL]
TEST NAME	[AGP]	REPORT NAME	[ $\alpha$ 1-Acid Glycoprotein]
UNIT	[mg/dL]	QC INTERVAL	[0]
QC INTERVAL	[0]	INSTRUMENT FACTOR (y=ax +b)	a[1.0] b[0.0]
INSTRUMENT FACTOR (y=ax +b)	a[1.0] b[0.0]	EXPECTED VALUES	[40] [130]
EXPECTED VALUES	[40] [130]	TECHNICAL LIMIT	[0] - [300]
TECHNICAL LIMIT	[0] - [300]	STD	CONC. POS SAMPLE PRE DIL CALIB
STD	CONC. POS SAMPLE PRE DIL CALIB	(1)	[0.0] *** [10] [0] [0] [**]
(1)	[0.0] ***	(2)	[**] *** [5] [5] [95] [**]
(2)	[**] ***	(3)	[**] *** [10] [5] [90] [**]
(3)	[**] ***	(4)	[**] *** [10] [10] [90] [**]
(4)	[**] ***	(5)	[**] *** [20] [10] [80] [**]
(5)	[**] ***	(6)	[0] [ ] [ ] [ ] [ ]
(6)	[0]		

\* Diluent name

\*\* Testnumber

\*\*\* Entered by operator

#### 3. Ordering information

AGP/AUT-000 1 x 10 mL  $\alpha$ 1-Acid Glycoprotein Antiserum  
5 x 25 mL PEG6 Buffer

MPS/STL-001 Protein Standard Low , 1 mL

139F003 Immunology Control Low, 1mL

139F002 Immunology Control High, 1mL

# APPLICATION NOTE

## HITACHI 911

# CERULOPLASMIN SD(AUT-KIT)

### 1. Reagent preparation

All reagents are ready for use

R1: Buffer      R2: none      R3: Antiserum      R4: none

### 2. Instrument setting

TEST	[CER]					
ASSAY CODE	[2Point End] [10] [ ]			WAVELENGTH (2nd/Primary):	[700]/[340]	
ASSAY POINT	[15] - [31] - [0] - [0]			Diluent/Rgt Stability	[*] [99]	
S. VOL (Regular)	[10] [8]			[40]		
S. VOL (Decrease)	[10] [4]			[40]		
S. VOL (Increase)	[0] [0]			[0]		
ABSORB LIM	[-32000]			[32000][Increase]		
PROZONE LIM	[-32000]			[32000][Upper]		
REAGENT	R1 [220] [0]			[**] [0]		
	R2 [0] [0]			[ ] [0]		
	R3 [20] [0]			[**] [0]		
	R4 [0] [0]			[ ] [0]		
CALIB TYPE	[Spline] [5] [0]			[0] [ ]		
AUTO TIME OUT BLANK	[0]			SD LIM	[999]	
	SPAN [0]			DUPLICATE LIM	[2000]	
	2POINT [0]			SENSITIVITY LIM	[0]	
	FULL [0]			S1ABS LIM	[-32000] [32000]	
AUTO CHANGE OF LOT	[cancel]			COMPENSATED LIM	[ ]	
CHANGE OF BOTTLE	[cancel]					
TEST	[CER] [**]			TEST NAME [CER]	UNIT [mg/dL]	
DATA MODE	[on board]			REPORT NAME [Ceruloplasmin]		
QC INTERVAL	[0]			INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]		
EXPECTED VALUES	[22] [61]					
TECHNICAL LIMIT	[0] - [120]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[8]	[0]	[0]	[**]
(2)	[***]	***	[10]	[4]	[90]	[**]
(3)	[***]	***	[10]	[8]	[90]	[**]
(4)	[***]	***	[10]	[8]	[40]	[**]
(5)	[***]	***	[20]	[8]	[30]	[**]
(6)	[0]		[0]	[0]	[0]	[ ]

\* Diluent number

\*\* Testnumber

\*\*\* Entered by operator

### 3. Ordering information

CER/AUT-000 1 x 10 mL Ceruloplasmin Antiserum  
5 x 25 mL PEG4 Buffer

MPS/STL-001 Protein Standard Low, 1 mL  
139F003 Immunology Control Low, 1mL  
139F002 Immunology Control High, 1mL

# APPLICATION NOTE

## HITACHI 911

# HAPTOGLOBIN SD(AUT-KIT)

### 1. Reagent preparation

All reagents are ready for use

R1: Buffer      R2: none      R3: Antiserum      R4: none

### 2. Instrument setting

TEST	[HAP]	WAVELENGTH (2nd/Primary):	[700]/[340]
ASSAY CODE	[2Point End] [10] [ ]	Diluent/Rgt Stability	[*] [99]
ASSAY POINT	[15] - [31] - [0] - [0]	S. VOL (Regular)	[5] [10] [95]
S. VOL (Regular)	[5] [10]	S. VOL (Decrease)	[5] [5] [95]
S. VOL (Decrease)	[5] [5]	S. VOL (Increase)	[0] [0] [0]
S. VOL (Increase)	[0] [0]	ABSORB LIM	[-32000] [32000][Increase]
ABSORB LIM	[-32000]	PROZONE LIM	[-32000] [32000][Upper]
PROZONE LIM	[-32000]	REAGENT R1	[220] [0] [**] [0]
REAGENT R1	[220] [0]	R2	[0] [0] [ ] [0]
REAGENT R2	[0] [0]	R3	[20] [0] [**] [0]
REAGENT R3	[20] [0]	R4	[0] [0] [ ] [0]
REAGENT R4	[0] [0]	CALIB TYPE	[Spline] [6] [0] [0] [ ]
CALIB TYPE	[Spline] [6]	AUTO TIME OUT BLANK	[0] SD LIM [999]
AUTO TIME OUT BLANK	[0]	SPAN	[0] DUPLICATE LIM [2000]
SPAN	[0]	2POINT	[0] SENSITIVITY LIM [0]
2POINT	[0]	FULL	[0] S1ABS LIM [-32000] [32000]
FULL	[0]	AUTO CHANGE OF LOT	[cancel] COMPENSATED LIM [ ]
AUTO CHANGE OF LOT	[cancel]	CHANGE OF BOTTLE	[cancel]
CHANGE OF BOTTLE	[cancel]	TEST	[HAP] [**]
TEST	[HAP] [**]	TEST NAME	[HAP] UNIT [mg/dL]
TEST NAME	[HAP]	REPORT NAME	[Haptoglobin]
UNIT	[mg/dL]	QC INTERVAL	[0]
QC INTERVAL	[0]	INSTRUMENT FACTOR (y=ax +b) a	[1] b [0]
INSTRUMENT FACTOR (y=ax +b) a	[1]	EXPECTED VALUES	[64] [192]
EXPECTED VALUES	[64] [192]	TECHNICAL LIMIT	[0] - [500]
TECHNICAL LIMIT	[0] - [500]	STD	CONC. POS SAMPLE PRE DIL CALIB
STD	CONC. POS SAMPLE PRE DIL CALIB	(1)	[0.0] [***] [10] [0] [0] [**]
(1)	[0.0] [***] [10] [0]	(2)	[***] [***] [2] [5] [158] [**]
(2)	[***] [***] [2] [5]	(3)	[***] [***] [2] [10] [158] [**]
(3)	[***] [***] [2] [10]	(4)	[***] [***] [5] [5] [95] [**]
(4)	[***] [***] [5] [5]	(5)	[***] [***] [5] [10] [95] [**]
(5)	[***] [***] [5] [10]	(6)	[***] [***] [10] [10] [90] [**]
(6)	[***] [***] [10] [10]		

\* Diluent number  
 \*\* Testnumber  
 \*\*\* Entered by operator

### 3. Ordering information

HAP/AUT-000 1 x 10 mL Haptoglobin Antiserum  
 5 x 25 mL PEG4 Buffer  
 MPS/STL-001 Protein Standard Low , 1 mL  
 139F003 Immunology Control Low, 1mL  
 139F002 Immunology Control High, 1mL

# APPLICATION NOTE

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# IgA KIT 2<sup>nd</sup> GENERATION

### 1. Reagent preparation

All reagents are ready for use

R1: Buffer      R2: none      R3: Antiserum   R4: none

### 2. Instrument setting

TEST	[IGA2]					
ASSAY CODE	[2Point End] [10] [ ]	WAVELENGTH (2nd/Primary):	[700]/[340]			
ASSAY POINT	[15] - [31] - [ ] - [ ]	Diluent/Rgt Stability	[*] [99]			
S. VOL (Regular)	[5] [10]		[45]			
S. VOL (Decrease)	[5] [3]		[45]			
S. VOL (Increase)	[0] [0]		[0]			
ABSORB LIM	[-32000]		[32000] [Increase]			
PROZONE LIM	[-32000]		[32000] [Upper]			
REAGENT	R1 [250] [0] [**] [0]					
	R2 [0] [0] [ ] [0]					
	R3 [20] [0] [**] [0]					
	R4 [0] [0] [ ] [0]					
CALIB TYPE	[Spline]	[5]-[0] [0] [ ]				
AUTO TIME OUT BLANK	[0]	SD LIM	[999]			
SPAN	[0]	DUPLICATE LIM	[2000]			
2POINT	[0]	SENSITIVITY LIM	[0]			
FULL	[0]	S1ABS LIM	[-32000] [32000]			
AUTO CHANGE OF LOT	[cancel]	COMPENSATED LIM	[ ]			
CHANGE OF BOTTLE	[cancel]					
TEST	[IGA2] [**]	TEST NAME [IGA2]	UNIT [mg/dL]			
DATA MODE	[on board]	REPORT NAME [IGA 2 <sup>nd</sup> generation]				
QC INTERVAL	[0]	INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]				
EXPECTED VALUES	[70] - [406]					
TECHNICAL LIMIT	[0] - [650]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[10]	[0]	[0]	[**]
(2)	[***]	***	[5]	[5]	[95]	[**]
(3)	[***]	***	[5]	[5]	[45]	[**]
(4)	[***]	***	[5]	[10]	[45]	[**]
(5)	[***]	***	[10]	[10]	[40]	[**]

\* Diluent name

\*\* Testnumber

\*\*\* Entered by operator

### 3. Ordering information

104C002      1x10 mL Antiserum  
                  5x25 mL Buffer

MPS/STL-001 Protein Standard Low , 1 mL  
 139F003      Immunology Control Low, 1mL  
 139F002      Immunology Control High, 1mL

# APPLICATION NOTE

## HITACHI 911

# IgG KIT 2<sup>nd</sup> GENERATION

### 1. Reagent preparation

All reagents are ready for use

R1: buffer      R2: none      R3: Antiserum      R4: none

### 2. Instrument setting

TEST	[IGG]	WAVELENGTH (2nd/Primary):	[700]/[340]			
ASSAY CODE	[2Point End] [10] [ ]	Diluent/Rgt Stability	[*] [99]			
ASSAY POINT	[15] - [31] - [ ] - [ ]					
S. VOL (Regular)	[20] [5]	[180]	* Diluent number			
S. VOL (Decrease)	[10] [5]	[190]				
S. VOL (Increase)	[20] [10]	[180]				
ABSORB LIM	[-32000]	[32000] [Increase]				
PROZONE LIM	[-32000]	[32000] [Upper]				
REAGENT	R1 [250] [0] [**] [0]					
	R2 [0] [0] [ ] [0]					
	R3 [25] [0] [**] [0]					
	R4 [0] [0] [ ] [0]					
CALIB TYPE	[Spline]	[6]-[0] [0] [ ]				
AUTO TIME OUT BLANK	[0]	SD LIM	[999]			
SPAN	[0]	DUPLICATE LIM	[2000]			
2POINT	[0]	SENSITIVITY LIM	[0]			
FULL	[0]	S1ABS LIM	[-32000] [32000]			
AUTO CHANGE OF LOT	[cancel]	COMPENSATED LIM	[ ]			
CHANGE OF BOTTLE	[cancel]					
TEST	[IGG] [**]	TEST NAME [IGG]	UNIT [mg/dL]			
DATA MODE	[on board]	REPORT NAME [IGG]				
QC INTERVAL	[0]	INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]				
EXPECTED VALUES	[680] [1445]					
TECHNICAL LIMIT	[0] - [3000]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[5]	[0]	[0]	[**]
(2)	[***]	***	[2]	[5]	[158]	[**]
(3)	[***]	***	[5]	[5]	[195]	[**]
(4)	[***]	***	[10]	[5]	[190]	[**]
(5)	[STD LOW]	***	[20]	[5]	[180]	[**]
(6)	[***]	***	[20]	[10]	[180]	[**]

\* Diluent name

\*\* Testnumber

\*\*\* Entered by operator

### 3. Ordering information

105C003	1x10 mL Antiserum
	5x25 mL Buffer
MPS/STL-001	Protein Standard Low, 1 mL
139F003	Immunology Control Low, 1mL
139F002	Immunology Control High, 1mL

# APPLICATION NOTE

## HITACHI 911

# IgG KIT 2<sup>nd</sup> GENERATION

### 1. Reagent preparation

All reagents are ready for use

R1: buffer      R2: none      R3: Antiserum      R4: none

### 2. Instrument setting

TEST	[IGG]					
ASSAY CODE	[2Point End] [10] [ ]	WAVELENGTH (2nd/Primary):	[700]/[340]			
ASSAY POINT	[15] - [31] - [ ] - [ ]	Diluent/Rgt Stability	[*] [99]			
S. VOL (Regular)	[20] [5]	[180]				* Diluent number
S. VOL (Decrease)	[10] [5]	[190]				
S. VOL (Increase)	[20] [10]	[180]				
ABSORB LIM	[-32000]	[32000] [Increase]				
PROZONE LIM	[-32000]	[32000] [Upper]				
REAGENT	R1 [250] [0] [**] [0]					
	R2 [0] [0] [ ] [0]					
	R3 [25] [0] [**] [0]					
	R4 [0] [0] [ ] [0]					
CALIB TYPE	[Spline]	[6]-[0] [0] [ ]				
AUTO TIME OUT BLANK	[0]	SD LIM	[999]			
	SPAN [0]	DUPLICATE LIM	[2000]			
	2POINT [0]	SENSITIVITY LIM	[0]			
	FULL [0]	S1ABS LIM	[-32000] [32000]			
AUTO CHANGE OF LOT	[cancel]	COMPENSATED LIM	[ ]			
CHANGE OF BOTTLE	[cancel]					
TEST	[IGG] [**]	TEST NAME [IGG]	UNIT [mg/dL]			
DATA MODE	[on board]	REPORT NAME [IGG]				
QC INTERVAL	[0]	INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]				
EXPECTED VALUES	[680] [1445]					
TECHNICAL LIMIT	[0] - [3000]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[5]	[0]	[0]	[**]
(2)	[***]	***	[2]	[5]	[318]	[**]
(3)	[***]	***	[2]	[5]	[158]	[**]
(4)	[***]	***	[5]	[5]	[195]	[**]
(5)	[***]	***	[10]	[5]	[190]	[**]
(6)	[***]	***	[20]	[5]	[180]	[**]

\* Diluent name

\*\* Testnumber

\*\*\* Entered by operator

### 3. Ordering information

105C003	1x10 mL Antiserum
	5x25 mL Buffer
MPS/STH-001	Protein Standard High, 1 mL
139F003	Immunology Control Low, 1mL
139F002	Immunology Control High, 1mL

# APPLICATION NOTE

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### IgG SD (SEL – KIT)

#### 1. Reagent preparation

All reagents are ready for use

R1: buffer      R2: none      R3: Antiserum      R4: none

#### 2. Instrument setting

TEST	[IGG]					
ASSAY CODE	[2Point End] [10] [ ]	WAVELENGTH (2nd/Primary):	[700]/[340]			
ASSAY POINT	[15] - [31] - [ ] - [ ]	Diluent/Rgt Stability	[*] [99]			
S. VOL (Regular)	[5] [10]	[95]				* Diluent number
S. VOL (Decrease)	[5] [4]	[95]				
S. VOL (Increase)	[0] [0]	[0]				
ABSORB LIM	[-32000]	[32000] [Increase]				
PROZONE LIM	[-32000]	[32000] [Upper]				
REAGENT	R1 [250] [0] [**] [0]					
	R2 [0] [0] [ ] [0]					
	R3 [20] [0] [**] [0]					
	R4 [0] [0] [ ] [0]					
CALIB TYPE	[Spline]	[5]-[0] [0] [ ]				
AUTO TIME OUT BLANK	[0]	SD LIM	[999]			
	SPAN [0]	DUPLICATE LIM	[2000]			
	2POINT [0]	SENSITIVITY LIM	[0]			
	FULL [0]	S1ABS LIM	[-32000] [32000]			
AUTO CHANGE OF LOT	[cancel]	COMPENSATED LIM	[ ]			
CHANGE OF BOTTLE	[cancel]					
TEST	[IGG] [**]	TEST NAME [IGG]	UNIT [mg/dL]			
DATA MODE	[on board]	REPORT NAME [IGG]				
QC INTERVAL	[0]	INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]				
EXPECTED VALUES	[680] [1445]					
TECHNICAL LIMIT	[0] - [3000]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[10]	[0]	[0]	[**]
(2)	[***]	***	[2]	[5]	[78]	[**]
(3)	[***]	***	[5]	[5]	[95]	[**]
(4)	[***]	***	[5]	[10]	[95]	[**]
(5)	[***]	***	[5]	[10]	[45]	[**]

\* Diluent name

\*\* Testnumber

\*\*\* Entered by operator

#### 3. Ordering information

IGG/SEL-000 1x10 mL IgG Antiserum  
5x25 mL PEG4 Buffer

MPS/STL-001 Protein Standard Low, 1 mL  
139F003 Immunology Control Low, 1mL  
139F002 Immunology Control High, 1mL



# APPLICATION NOTE

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# IgM KIT 2<sup>nd</sup> GENERATION

### 1. Reagent preparation

All reagents are ready for use

R1: Buffer      R2: none      R3: Antiserum   R4: none

### 2. Instrument setting

TEST	[IGM2]	WAVELENGTH (2nd/Primary):	[700]/[340]
ASSAY CODE	[2Point End] [10] [ ]	Diluent/Rgt Stability	[*] [99]
ASSAY POINT	[15] - [31] - [ ] - [ ]		
S. VOL (Regular)	[10] [10]		[90]
S. VOL (Decrease)	[10] [4]		[90]
S. VOL (Increase)	[0] [0]		[0]
ABSORB LIM	[-32000]	[32000] [Increase]	
PROZONE LIM	[-32000]	[32000] [Upper]	
REAGENT	R1 [220] [0] [**] [0]		
	R2 [0] [0] [ ] [0]		
	R3 [30] [0] [**] [0]		
	R4 [0] [0] [ ] [0]		
CALIB TYPE	[Spline]	[5]-[0] [0] [ ]	
AUTO TIME OUT BLANK	[0]	SD LIM	[999]
SPAN	[0]	DUPLICATE LIM	[2000]
2POINT	[0]	SENSITIVITY LIM	[0]
FULL	[0]	S1ABS LIM	[-32000] [32000]
AUTO CHANGE OF LOT	[cancel]	COMPENSATED LIM	[ ]
CHANGE OF BOTTLE	[cancel]		
TEST	[IGM2] [**]	TEST NAME [IGM2]	UNIT [mg/dL]
DATA MODE	[on board]	REPORT NAME [IGM 2 <sup>nd</sup> generation]	
QC INTERVAL	[0]	INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]	
EXPECTED VALUES	[33] - [250]		
TECHNICAL LIMIT	[0] - [500]		
STD	CONC.	POS	SAMPLE PRE DIL CALIB
(1)	[0.0]	***	[10] [0] [0] [**]
(2)	[***]	***	[10] [5] [190] [**]
(3)	[***]	***	[10] [5] [90] [**]
(4)	[***]	***	[10] [10] [90] [**]
(5)	[***]	***	[10] [10] [40] [**]
(6)	[0]		[0] [0] [0] [ ]

\* Diluent name

\*\* Testnumber

\*\*\* Entered by operator

### 3. Ordering information

106C002      1x10 mL Antiserum  
                  5x25 mL Buffer

MPS/STH-001 Protein Standard High, 1 mL  
 139F003      Immunology Control Low, 1mL  
 139F002      Immunology Control High, 1mL

# APPLICATION NOTE

## HITACHI 911

### TRF SD (SEL – KIT)

#### 1. Reagent preparation

All reagents are ready for use

R1: buffer      R2: none      R3: Antiserum      R4: none

#### 2. Instrument setting

TEST	[TRF]					
ASSAY CODE	[2Point End] [10] [ ]	WAVELENGTH (2nd/Primary):	[700]/[340]			
ASSAY POINT	[15] - [31] - [ ] - [ ]	Diluent/Rgt Stability	[*] [99]			
S. VOL (Regular)	[10] [3]	[190]				* Diluent number
S. VOL (Decrease)	[5] [3]	[195]				
S. VOL (Increase)	[20] [3]	[180]				
ABSORB LIM	[-32000]	[32000] [Increase]				
PROZONE LIM	[-32000]	[32000] [Upper]				
REAGENT	R1 [250] [0] [**] [0]					
	R2 [0] [0] [ ] [0]					
	R3 [20] [0] [**] [0]					
	R4 [0] [0] [ ] [0]					
CALIB TYPE	[Spline]	[6]-[0] [0] [ ]				
AUTO TIME OUT BLANK	[0]	SD LIM	[999]			
SPAN	[0]	DUPLICATE LIM	[2000]			
2POINT	[0]	SENSITIVITY LIM	[0]			
FULL	[0]	S1ABS LIM	[-32000] [32000]			
AUTO CHANGE OF LOT	[cancel]	COMPENSATED LIM	[ ]			
CHANGE OF BOTTLE	[cancel]					
TEST	[TRF] [**]	TEST NAME [TRF]	UNIT [mg/dL]			
DATA MODE	[on board]	REPORT NAME [TRF]				
QC INTERVAL	[0]	INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]				
EXPECTED VALUES	[170] [340]					
TECHNICAL LIMIT	[0] - [800]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[3]	[0]	[0]	[**]
(2)	[***]	***	[10]	[3]	[190]	[**]
(3)	[***]	***	[10]	[3]	[190]	[**]
(4)	[***]	***	[10]	[3]	[190]	[**]
(5)	[***]	***	[10]	[3]	[190]	[**]
(6)	[***]	***	[10]	[3]	[190]	[**]

\* Diluent name  
 \*\* Testnumber  
 \*\*\* Entered by operator

#### 3. Ordering information

TRF/SEL-000 1x10 mL Antiserum  
                   5x25 mL Buffer  
 MPS/STS-001 Protein Standard Set, 5 x 1 mL  
 139F003 Immunology Control Low, 1mL  
 139F002 Immunology Control High, 1mL

# APPLICATION NOTE

## HITACHI 911

# $\alpha$ 1-ANTITRYPSIN

## N-DIL (AUT-KIT)

### 1. Reagent preparation

All reagents are ready for use

R1: Buffer      R2: none      R3: Antiserum      R4: none

### 2. Instrument setting

TEST	[AAT]	[**]	TEST NAME	[AAT]	UNIT	[mg/dL]
DATA MODE	[on board]		REPORT NAME	[ $\alpha$ 1-Antitrypsin]		
QC INTERVAL	[0]		INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]			
EXPECTED VALUES	[89]	[205]				
TECHNICAL LIMIT	[0]	[500]				
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[2]	[0]	[0]	[**]
(2)	[***]	***	[5]	[5]	[195]	[**]
(3)	[***]	***	[10]	[5]	[190]	[**]
(4)	[***]	***	[20]	[5]	[180]	[**]
(5)	[***]	***	[20]	[10]	[180]	[**]
(6)	[***]	***	[2]	[ ]	[ ]	[ ]
TEST	[AAT]		WAVELENGTH (2nd/Primary):	[700]/[340]		
ASSAY CODE	[2Point End]	[10]	[ ]	Diluent/Rgt Stability [*] [99]		
ASSAY POINT	[15]	[31]	[0]	[0]		
S. VOL (Regular)	[2]	[0]	[0]			
S. VOL (Decrease)	[20]	[10]	[180]			
S. VOL (Increase)	[4]	[0]	[0]			
ABSORB LIM	[0]		[32000]	[Increase]		
PROZONE LIM	[-32000]		[32000]	[Upper]		
REAGENT	R1	[350]	[0]	[**]	[0]	
	R2	[0]	[0]	[ ]	[0]	
	R3	[70]	[0]	[**]	[0]	
	R4	[0]	[0]	[ ]	[0]	
CALIB TYPE	[Spline]	[6]	[0]	[0]	[ ]	
AUTO TIME OUT BLANK		[0]		SD LIM	[500]	
SPAN		[0]		DUPLICATE LIM	[1000]	
2POINT		[0]		SENSITIVITY LIM	[0]	
FULL		[0]		S1ABS LIM	[-32000] [32000]	
AUTO CHANGE OF LOT		[cancel]		COMPENSATED LIM	[ ]	
CHANGE OF BOTTLE		[cancel]				

\* Diluent name  
 \*\* Testnumber  
 \*\*\* Entered by operator

### 3. Ordering 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, 1mL

APPLICATION NOTE  
HITACHI 911  
**α1-ACID GLYCOPROTEIN**  
**N-DIL (AUT-KIT)**

**1. Reagent preparation**

All reagents are ready for use

R1: Buffer      R2: none      R3: Antiserum      R4: none

**2. Instrument setting**

TEST	[AGP]	[**]	TEST NAME	[AGP]	UNIT	[mg/dL]
DATA MODE	[on board]		REPORT NAME	[α1-Acid Glycoprotein]		
QC INTERVAL	[0]		INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]			
EXPECTED VALUES	[40] - [130]					
TECHNICAL LIMIT	[0] - [300]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[2]	[0]	[0]	[**]
(2)	[***]	***	[5]	[5]	[195]	[**]
(3)	[***]	***	[10]	[5]	[190]	[**]
(4)	[***]	***	[20]	[5]	[180]	[**]
(5)	[***]	***	[20]	[10]	[180]	[**]
(6)	[***]	***	[2]	[0]	[0]	[ ]
TEST	[AGP]		WAVELENGTH (2nd/Primary):	[700]/[340]		
ASSAY CODE	[2Point End] [10] [ ]		Diluent/Rgt Stability	[*] [99]		
ASSAY POINT	[15] - [31] - [0] - [0]					
S. VOL (Regular)	[2]	[0]	[0]			
S. VOL (Decrease)	[20]	[10]	[180]			
S. VOL (Increase)	[4]	[0]	[0]			
ABSORB LIM	[0]	[32000]	[Increase]			
PROZONE LIM	[-32000]	[32000]	[Upper]			
REAGENT	R1	[290]	[0]	[**]	[0]	
	R2	[0]	[0]	[ ]	[0]	
	R3	[40]	[0]	[**]	[0]	
	R4	[0]	[0]	[ ]	[0]	
CALIB TYPE	[Spline]	[6]	[0]	[0]	[ ]	
AUTO TIME OUT BLANK	[0]	SD LIM	[500]			
SPAN	[0]	DUPLICATE LIM	[1000]			
2POINT	[0]	SENSITIVITY LIM	[0]			
FULL	[0]	S1ABS LIM	[-32000] [32000]			
AUTO CHANGE OF LOT	[cancel]	COMPENSATED LIM	[ ]			
CHANGE OF BOTTLE	[cancel]					

\* Diluent name

\*\* Testnumber

\*\*\* Entered by operator

**3. Ordering 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, 1mL

APPLICATION NOTE  
HITACHI 911  
**Antistreptolysin O**  
**Latex N-DIL (AUT-KIT)**

**1. Reagent preparation**

All reagents are ready for use

R1: Buffer      R2: none      R3: Latex      R4: none

**2. Instrument setting**

TEST	[ASL]	[**]	TEST NAME [ASL]	UNIT [IU/mL]		
DATA MODE	[on board]		REPORT NAME [Antistreptolysin O]			
QC INTERVAL	[0]		INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]			
EXPECTED VALUES	[0] - [200]					
TECHNICAL LIMIT	[0] - [400]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[4]	[0]	[0]	[**]
(2)	[**]	***	[10]	[5]	[190]	[**]
(3)	[**]	***	[20]	[5]	[180]	[**]
(4)	[**]	***	[20]	[10]	[180]	[**]
(5)	[**]	***	[2]	[0]	[0]	[**]
(6)	[**]	***	[4]	[0]	[0]	[ ]
TEST	[ASL]		WAVELENGTH (2nd/Primary): [ ]/[600]			
ASSAY CODE	[2Point End]	[10]	[ ]			
ASSAY POINT	[15] - [31] - [0] - [0]		Diluent/Rgt Stability [*] [99]			
S. VOL (Regular)	[4]	[0]	[0]			
S. VOL (Decrease)	[2]	[0]	[0]			
S. VOL (Increase)	[8]	[0]	[0]			
ABSORB LIM	[0]		[32000][Increase]			
PROZONE LIM	[-32000]		[32000][Upper]			
REAGENT	R1	[250]	[0]	[**]	[0]	
	R2	[0]	[0]	[ ]	[0]	
	R3	[40]	[0]	[**]	[0]	
	R4	[0]	[0]	[ ]	[0]	
CALIB TYPE	[Spline]	[6]	[0]	[0]	[ ]	
AUTO TIME OUT BLANK		[0]		SD LIM	[500]	
SPAN		[0]		DUPLICATE LIM	[1000]	
2POINT		[0]		SENSITIVITY LIM	[0]	
FULL		[0]		S1ABS LIM	[-32000] [32000]	
AUTO CHANGE OF LOT		[cancel]		COMPENSATED LIM	[ ]	
CHANGE OF BOTTLE		[cancel]				

\* Diluent name

\*\* Testnumber

\*\*\* Entered by operator

**3. Ordering information**

ASL/AUT-000 1 x 10 mL Latex

5 x 25 mL Buffer

ASL/SST-001 ASL Standard Super 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, 1mL

# APPLICATION NOTE

## HITACHI 911

# COMPLEMENT C3

## N-DIL (AUT-KIT)

### 1. Reagent preparation

All reagents are ready for use

R1: Buffer      R2: none      R3: Antiserum    R4: none

### 2. Instrument setting

TEST	[C3] [**]	TEST NAME	[C3]	UNIT	[mg/dL]	
DATA MODE	[on board]	REPORT NAME	[Complement C3]			
QC INTERVAL	[0]	INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]				
EXPECTED VALUES	[75] - [140]					
TECHNICAL LIMIT	[0] - [400]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[3]	[0]	[0]	[**]
(2)	[**]	***	[10]	[3]	[150]	[**]
(3)	[**]	***	[40]	[3]	[280]	[**]
(4)	[**]	***	[50]	[3]	[150]	[**]
(5)	[**]	***	[50]	[6]	[150]	[**]
(6)	[**]	***	[3]	[0]	[0]	[ ]
TEST	[C3]	WAVELENGTH (2nd/Primary):	[700]/[340]			
ASSAY CODE	[2Point End] [10] [ ]	Diluent/Rgt Stability	[*] [99]			
ASSAY POINT	[15] - [31] - [0] - [0]					
S. VOL (Regular)	[3]	[0]	[0]			
S. VOL (Decrease)	[50]	[6]	[150]			
S. VOL (Increase)	[6]	[0]	[0]			
ABSORB LIM	[0]	[32000][Increase]				
PROZONE LIM	[-32000]	[32000][Upper]				
REAGENT	R1	[250]	[0]	[**]	[0]	
	R2	[0]	[0]	[ ]	[0]	
	R3	[40]	[0]	[**]	[0]	
	R4	[0]	[0]	[ ]	[0]	
CALIB TYPE	[Spline]	[6]	[0]	[0]	[ ]	
AUTO TIME OUT BLANK	[0]	SD LIM	[500]			
SPAN	[0]	DUPLICATE LIM	[1000]			
2POINT	[0]	SENSITIVITY LIM	[0]			
FULL	[0]	S1ABS LIM	[-32000] [32000]			
AUTO CHANGE OF LOT	[cancel]	COMPENSATED LIM	[ ]			
CHANGE OF BOTTLE	[cancel]					

\* Diluent name  
 \*\* Testnumber  
 \*\*\* Entered by operator

### 3. Ordering information

C3C/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, 1mL

# APPLICATION NOTE

## HITACHI 911

# COMPLEMENT C4

## N-DIL (AUT-KIT)

### 1. Reagent preparation

All reagents are ready for use

R1: Buffer      R2: none      R3: Antiserum    R4: none

### 2. Instrument setting

TEST	[C4] [**]	TEST NAME	[C4]	UNIT	[mg/dL]	
DATA MODE	[on board]	REPORT NAME	[Complement C4]			
QC INTERVAL	[0]	INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]				
EXPECTED VALUES	[9] - [36]					
TECHNICAL LIMIT	[0] - [90]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[4]	[0]	[0]	[**]
(2)	[**]	***	[10]	[5]	[190]	[**]
(3)	[**]	***	[10]	[10]	[190]	[**]
(4)	[**]	***	[20]	[10]	[180]	[**]
(5)	[**]	***	[2]	[0]	[0]	[**]
(6)	[**]	***	[4]	[0]	[0]	[ ]
TEST	[C4]	WAVELENGTH (2nd/Primary):	[700]/[340]			
ASSAY CODE	[2Point End] [10] [ ]	Diluent/Rgt Stability	[*] [99]			
ASSAY POINT	[15] - [31] - [0] - [0]					
S. VOL (Regular)	[4]	[0]	[0]			
S. VOL (Decrease)	[2]	[0]	[0]			
S. VOL (Increase)	[8]	[0]	[0]			
ABSORB LIM	[0]	[32000][Increase]				
PROZONE LIM	[-32000]	[32000][Upper]				
REAGENT	R1	[250]	[0]	[**]	[0]	
	R2	[0]	[0]	[ ]	[0]	
	R3	[40]	[0]	[**]	[0]	
	R4	[0]	[0]	[ ]	[0]	
CALIB TYPE	[Spline]	[6]	[0]	[0]	[ ]	
AUTO TIME OUT BLANK	[0]	SD LIM	[500]			
SPAN	[0]	DUPLICATE LIM	[1000]			
2POINT	[0]	SENSITIVITY LIM	[0]			
FULL	[0]	S1ABS LIM	[-32000] [32000]			
AUTO CHANGE OF LOT	[cancel]	COMPENSATED LIM	[ ]			
CHANGE OF BOTTLE	[cancel]					

\* Diluent name

\*\* Testnumber

\*\*\* Entered by operator

### 3. Ordering information

C4C/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, 1mL

# APPLICATION NOTE

## HITACHI 911

# CERULOPLASMIN

## N-DIL (AUT-KIT)

### 1. Reagent preparation

All reagents are ready for use

R1: Buffer      R2: none      R3: Antiserum      R4: none

### 2. Instrument setting

TEST	[CER]	[**]	TEST NAME [CER]	UNIT [mg/dL]		
DATA MODE	[on board]		REPORT NAME [Ceruloplasmin]			
QC INTERVAL	[0]		INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]			
EXPECTED VALUES	[22] [61]					
TECHNICAL LIMIT	[0] - [120]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[2]	[0]	[0]	[**]
(2)	[**]	***	[5]	[5]	[195]	[**]
(3)	[**]	***	[10]	[5]	[190]	[**]
(4)	[**]	***	[20]	[5]	[180]	[**]
(5)	[**]	***	[20]	[10]	[180]	[**]
(6)	[**]	***	[2]	[ ]	[ ]	[ ]
TEST	[CER]		WAVELENGTH (2nd/Primary): [700]/[340]			
ASSAY CODE	[2Point End] [10] [ ]		Diluent/Rgt Stability [*] [99]			
ASSAY POINT	[15] - [31] - [0] - [0]					
S. VOL (Regular)	[2]	[0]	[0]			
S. VOL (Decrease)	[20]	[10]	[180]			
S. VOL (Increase)	[4]	[0]	[0]			
ABSORB LIM	[0]		[32000][Increase]			
PROZONE LIM	[-32000]		[32000][Upper]			
REAGENT	R1	[220]	[0]	[**]	[0]	
	R2	[0]	[0]	[ ]	[0]	
	R3	[30]	[0]	[**]	[0]	
	R4	[0]	[0]	[ ]	[0]	
CALIB TYPE	[Spline]	[6]	[0]	[0]	[ ]	
AUTO TIME OUT BLANK		[0]		SD LIM	[500]	
SPAN		[0]		DUPLICATE LIM	[1000]	
2POINT		[0]		SENSITIVITY LIM	[0]	
FULL		[0]		S1ABS LIM	[-32000] [32000]	
AUTO CHANGE OF LOT		[cancel]		COMPENSATED LIM	[ ]	
CHANGE OF BOTTLE		[cancel]				

\* Diluent number

\*\* Testnumber

\*\*\* Entered by operator

### 3. Ordering information

CER/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, 1mL



# APPLICATION NOTE

## HITACHI 911

# C-REACTIVE PROTEIN

## N-DIL (AUT-KIT)

### 1. Reagent preparation

All reagents are ready for use

R1: Buffer      R2: none      R3: Antiserum   R4: none

### 2. Instrument setting

TEST	[CRP]	[**]	TEST NAME	[CRP]	UNIT	[mg/dL]
DATA MODE	[on board]		REPORT NAME	[C-Reactive Protein]		
QC INTERVAL	[0]		INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]			
EXPECTED VALUES	[0.00]	- [1.00]				
TECHNICAL LIMIT	[-0.30]	- [14.00]				
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.00]	***	[16]	[0]	[0]	[**]
(2)	[**]	***	[20]	[10]	[180]	[**]
(3)	[**]	***	[2]	[0]	[0]	[**]
(4)	[**]	***	[4]	[0]	[0]	[**]
(5)	[**]	***	[8]	[0]	[0]	[**]
(6)	[**]	***	[16]	[0]	[0]	[**]
TEST	[CRP]		WAVELENGTH (2nd/Primary):	[700]/[340]		
ASSAY CODE	[2Point End]	[10]	[ ]			
ASSAY POINT	[15]	- [31]	- [0]	- [0]	Diluent/Rgt Stability	[*] [99]
S. VOL (Regular)	[16]	[0]	[0]			
S. VOL (Decrease)	[8]	[0]	[0]			
S. VOL (Increase)	[32]	[0]	[0]			
ABSORB LIM	[0]		[32000]	[Increase]		
PROZONE LIM	[-32000]		[32000]	[Upper]		
REAGENT	R1	[220]	[0]	[**]	[0]	
	R2	[0]	[0]	[ ]	[0]	
	R3	[25]	[0]	[**]	[0]	
	R4	[0]	[0]	[ ]	[0]	
CALIB TYPE	[Spline]	[6]	[0]	[0]	[ ]	
AUTO TIME OUT BLANK		[0]		SD LIM		[500]
	SPAN	[0]		DUPLICATE LIM		[1000]
	2POINT	[0]		SENSITIVITY LIM		[0]
	FULL	[0]		S1ABS LIM		[-32000] [32000]
AUTO CHANGE OF LOT		[cancel]		COMPENSATED LIM		[ ]
CHANGE OF BOTTLE		[cancel]				

\* Diluent name

\*\* Testnumber

\*\*\* Entered by operator

### 3. Ordering information

CRP/AUT-000 1x10 mL Antiserum  
5x25 mL Buffer

CRP/STH-001 CRP Standard high, 1 mL

CRP/COH-001 CRP Control High, 1mL

CRP/COL-001 CRP Control Low, 1 mL

139F003 Immunology Control Low, 1mL

139F002 Immunology Control High, 1mL

# APPLICATION NOTE

## HITACHI 911

# HAPTOGLOBIN

## N-DIL (AUT-KIT)

### 1. Reagent preparation

All reagents are ready for use

R1: Buffer      R2: none      R3: Antiserum      R4: none

### 2. Instrument setting

TEST	[HAP]	[**]	TEST NAME	[HAP]	UNIT	[mg/dL]
DATA MODE	[on board]		REPORT NAME	[Haptoglobin]		
QC INTERVAL	[0]		INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]			
EXPECTED VALUES	[32] - [205]					
TECHNICAL LIMIT	[0] - [500]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[2]	[0]	[0]	[**]
(2)	[**]	***	[5]	[5]	[195]	[**]
(3)	[**]	***	[10]	[5]	[190]	[**]
(4)	[**]	***	[20]	[5]	[180]	[**]
(5)	[**]	***	[20]	[10]	[180]	[**]
(6)	[**]	***	[2]	[0]	[0]	[ ]
TEST	[HAP]		WAVELENGTH (2nd/Primary):	[700]/[340]		
ASSAY CODE	[2Point End] [10] [ ]		Diluent/Rgt Stability	[*] [99]		
ASSAY POINT	[15] - [31] - [0] - [0]					
S. VOL (Regular)	[2]	[0]	[0]			
S. VOL (Decrease)	[20]	[10]	[180]			
S. VOL (Increase)	[4]	[0]	[0]			
ABSORB LIM	[0]	[32000][Increase]				
PROZONE LIM	[-32000]		[32000][Upper]			
REAGENT	R1	[280]	[0]	[**]	[0]	
	R2	[0]	[0]	[ ]	[0]	
	R3	[40]	[0]	[**]	[0]	
	R4	[0]	[0]	[ ]	[0]	
CALIB TYPE	[Spline]	[6]	[0]	[0]	[ ]	
AUTO TIME OUT BLANK	[0]		SD LIM	[500]		
SPAN	[0]		DUPLICATE LIM	[1000]		
2POINT	[0]		SENSITIVITY LIM	[0]		
FULL	[0]		S1ABS LIM	[-32000] [32000]		
AUTO CHANGE OF LOT	[cancel]		COMPENSATED LIM	[ ]		
CHANGE OF BOTTLE	[cancel]					

\* Diluent number  
 \*\* Testnumber  
 \*\*\* Entered by operator

### 3. Ordering information

HAP/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, 1mL

# APPLICATION NOTE

## HITACHI 911

# IGA KIT

## 2<sup>nd</sup> GENERATION

### 1. Reagent preparation

All reagents are ready for use

R1: Buffer      R2: none      R3: Antiserum    R4: none

### 2. Instrument setting

TEST	[IgA2]	[**]	TEST NAME	[IgA2]	UNIT	[mg/dL]
DATA MODE	[on board]		REPORT NAME	[IgA 2 <sup>nd</sup> generation]		
QC INTERVAL	[0]		INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]			
EXPECTED VALUES	[70] - [406]					
TECHNICAL LIMIT	[0] - [600]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[2]	[0]	[0]	[**]
(2)	[**]	***	[5]	[5]	[195]	[**]
(3)	[**]	***	[10]	[5]	[190]	[**]
(4)	[**]	***	[20]	[5]	[180]	[**]
(5)	[**]	***	[20]	[10]	[180]	[**]
(6)	[**]	***	[2]	[0]	[0]	[ ]
TEST	[IgA]		WAVELENGTH (2nd/Primary):	[700]/[340]		
ASSAY CODE	[2Point End]	[10]	[ ]	Diluent/Rgt Stability	[*]	[99]
ASSAY POINT	[15] - [31] - [0] - [0]					
S. VOL (Regular)	[2]	[0]	[0]			
S. VOL (Decrease)	[20]	[10]	[180]			
S. VOL (Increase)	[4]	[0]	[0]			
ABSORB LIM	[0]		[32000][Increase]			
PROZONE LIM	[-32000]		[32000][Upper]			
REAGENT	R1	[350]	[0]	[**]	[0]	
	R2	[0]	[0]	[ ]	[0]	
	R3	[60]	[0]	[**]	[0]	
	R4	[0]	[0]	[ ]	[0]	
CALIB TYPE	[Spline]	[6]	[0]	[0]	[ ]	
AUTO TIME OUT BLANK		[0]		SD LIM	[500]	
SPAN		[0]		DUPLICATE LIM	[1000]	
2POINT		[0]		SENSITIVITY LIM	[0]	
FULL		[0]		S1ABS LIM	[-32000] [32000]	
AUTO CHANGE OF LOT		[cancel]		COMPENSATED LIM	[ ]	
CHANGE OF BOTTLE		[cancel]				

\* Diluent name

\*\* Testnumber

\*\*\* Entered by operator

### 3. Ordering 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, 1mL

APPLICATION NOTE  
HITACHI 911  
**IGA**  
**2nd Generation N-DIL**  
**Urine, CSF**

**1. Reagent preparation**

Sample: Ready for use.  
R1 Buffer: Ready for use  
R2: None  
R3 Antiserum: Ready for use  
R4: None  
Standard: Dilute the Pediatric Standard 1:10 in Saline 9g/L. Use saline 9 g/L as zero point.  
Control: Dilute the Pediatric Control 1:10 in Saline 9 g/L.

**2. Instrument setting**

TEST	[IGA CSF 2] [**]	TEST NAME	[IGA CFS 2]	UNIT	[mg/L]	
DATA MODE	[on board]	REPORT NAME	[IgA CFS 2 <sup>nd</sup> Generation]			
QC INTERVAL	[0]	INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]				
EXPECTED VALUES	[<2] - [ ]					
TECHNICAL LIMIT	[0] - [30]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[20]	[0]	[0]	[**]
(2)	[**]	***	[20]	[10]	[140]	[**]
(3)	[**]	***	[50]	[10]	[150]	[**]
(4)	[**]	***	[5]	[0]	[0]	[**]
(5)	[**]	***	[10]	[0]	[0]	[**]
(6)	[**]	***	[20]	[0]	[0]	[ ]
TEST	[IGA CFS 2]	WAVELENGTH (2nd/Primary):	[700]/[340]			
ASSAY CODE	[2Point End] [10] [ ]	Diluent/Rgt Stability	[*] [99]			
ASSAY POINT	[15] - [31] - [0] - [0]					
S. VOL (Regular)	[20]	[0]	[0]			
S. VOL (Decrease)		[10]	[0]	[0]		
S. VOL (Increase)		[40]	[0]	[0]		
ABSORB LIM	[0]	[32000][Increase]				
PROZONE LIM	[-32000]	[32000][Upper]				
REAGENT	R1	[250]	[0]	[**]	[0]	
	R2	[0]	[0]	[ ]	[0]	
	R3	[25]	[0]	[**]	[0]	
	R4	[0]	[0]	[ ]	[0]	
CALIB TYPE	[Spline]	[6]	[0]	[0]	[ ]	
AUTO TIME OUT BLANK	[0]	SD LIM	[500]			
SPAN	[0]	DUPLICATE LIM	[1000]			
2POINT	[0]	SENSITIVITY LIM	[0]			
FULL	[0]	S1ABS LIM	[-32000] [32000]			
AUTO CHANGE OF LOT	[cancel]	COMPENSATED LIM	[ ]			
CHANGE OF BOTTLE	[cancel]					

\* Diluent name  
\*\* Testnumber  
\*\*\* Entered by operator

**3. Ordering information**

104C002            1 x 10 mL Antiserum  
                      5 x 25 mL Buffer  
MPP/STD-001      Pediatric Standard (diluted 1:10), 1 mL  
MPP/CON-001      Pediatric Control (diluted 1:10), 1mL

# APPLICATION NOTE

## HITACHI 911

### IGG N-DIL (AUT – KIT)

#### 1. Reagent preparation

All reagents are ready for use

R1: Buffer      R2: none      R3: Antiserum   R4: none

#### 2. Instrument setting

TEST	[IgG] [**]	TEST NAME [IgG]	UNIT [mg/dL]
DATA MODE	[on board]	REPORT NAME [IGG]	
QC INTERVAL [0]		INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]	
EXPECTED VALUES	[680] - [1445]		
TECHNICAL LIMIT	[0] - [3000]		
STD	CONC.	POS	SAMPLE PRE DIL CALIB
(1)	[0.0]	***	[2] [0] [0] [**]
(2)	[**]	***	[5] [5] [195] [**]
(3)	[**]	***	[10] [5] [190] [**]
(4)	[**]	***	[20] [5] [180] [**]
(5)	[**]	***	[20] [10] [180] [**]
(6)	[**]	***	[2] [0] [0] [ ]
TEST	[IGG]	WAVELENGTH (2nd/Primary):	[700]/[340]
ASSAY CODE	[2Point End] [10] [ ]	Diluent/Rgt Stability [ * ]	[99]
ASSAY POINT	[15] - [31] - [0] - [0]		
S. VOL (Regular)	[2]	[0]	[0]
S. VOL (Decrease)	[20]	[10]	[180]
S. VOL (Increase)	[4]	[0]	[0]
ABSORB LIM	[0]	[32000][Increase]	
PROZONE LIM	[-32000]	[32000][Upper]	
REAGENT	R1 [330]	[0]	[**] [0]
	R2 [0]	[0]	[ ] [0]
	R3 [75]	[0]	[**] [0]
	R4 [0]	[0]	[ ] [0]
CALIB TYPE	[Spline] [6]	[0]	[0] [ ]
AUTO TIME OUT BLANK	[0]	SD LIM	[500]
SPAN	[0]	DUPLICATE LIM	[1000]
2POINT	[0]	SENSITIVITY LIM	[0]
FULL	[0]	S1ABS LIM	[-32000] [32000]
AUTO CHANGE OF LOT	[cancel]	COMPENSATED LIM	[ ]
CHANGE OF BOTTLE	[cancel]		

\* Diluent name

\*\* Testnumber

\*\*\* Entered by operator

#### 3. Ordering information

IGG/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, 1mL

# APPLICATION NOTE

## HITACHI 911

# IGG N-DIL (LOW-KIT)

## URINE, CSF

### 1. Reagent preparation

Sample: Ready for use  
 R1 Buffer: Ready for use  
 R2: None  
 R3 Antiserum: Ready for use  
 R4: None  
 Standard: Dilute Pediatric standard 1:5 in Saline 9 g/L. Use Saline 9 g/L as zero point.  
 Control: Dilute Pediatric control 1:5 in Saline 9 g/L.

### 2. Instrument setting

TEST	[IGG CSF]					
ASSAY CODE	[2Point End] [10] [ ]	WAVELENGTH (2nd/Primary):	[700]/[340]			
ASSAY POINT	[15] - [31] - [0] - [0]	Diluent/Rgt Stability	[*] [99]			
S. VOL (Regular)	[ 16 ] [0] [0]					
S. VOL (Decrease)	[ 8 ] [0] [0]					
S. VOL (Increase)	[ 32 ] [0] [0]					
ABSORB LIM	[-32000]		[32000] [Increase]			
PROZONE LIM	[-32000]		[32000] [Upper]			
REAGENT	R1 [250] [0] [**] [0]					
	R2 [0] [0] [ ] [0]					
	R3 [ 50 ] [0] [**] [0]					
	R4 [0] [0] [ ] [0]					
CALIB TYPE	[SPLINE]		[ 6 ]-[0] [0] [ ]			
AUTO TIME OUT BLANK	[0]	SD LIM	[999]			
SPAN	[0]	DUPLICATE LIM	[2000]			
2POINT	[0]	SENSITIVITY LIM	[0]			
FULL	[0]	S1ABS LIM	[-32000] [32000]			
AUTO CHANGE OF LOT	[cancel]	COMPENSATED LIM	[ ]			
CHANGE OF BOTTLE	[cancel]					
TEST	[ IGG CSF ] [**]	TEST NAME	[ IGG CSF ]	UNIT	[mg/L]	
DATA MODE	[on board]	REPORT NAME	[ IGG CSF ]			
QC INTERVAL	[0]	INSTRUMENT FACTOR (y=ax +b)	a[1.0] b[0.0]			
EXPECTED VALUES	[ 15 ] - [ 75 ]					
TECHNICAL LIMIT	[0] - [ 300 ]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[16]	[0]	[0]	[**]
(2)	[**]	***	[20]	[10]	[180]	[**]
(3)	[**]	***	[2]	[0]	[0]	[**]
(4)	[**]	***	[4]	[0]	[0]	[**]
(5)	[**]	***	[8]	[0]	[0]	[**]
(6)	[**]	***	[16]	[0]	[0]	[**]

\* Diluent name  
 \*\* Testnumber  
 \*\*\* Entered by operator

### 3. Ordering information

IGG/LOW-000 1 x 5 mL Antiserum  
                   2 x 25 mL Buffer  
 MPP/STD-001 Pediatric Standard (diluted 1:5), 1 mL  
 MPP/CON-001 Pediatric Control (diluted 1:5), 1mL

APPLICATION NOTE  
HITACHI 911  
**IGG**  
**2<sup>nd</sup> Generation N-DIL**  
**URINE, CSF**

**1. Reagent preparation**

Sample: Ready for use  
 R1 Buffer: Ready for use  
 R2: None  
 R3 Antiserum: Ready for use  
 R4: None  
 Standard: Dilute Pediatric standard 1:5 in Saline 9 g/L. Use Saline 9 g/L as zero point.  
 Control: Dilute Pediatric control 1:5 in Saline 9 g/L.

**2. Instrument setting**

TEST	[IGG CSF 2] [**]	TEST NAME	[AGG CSF 2]	UNIT	[mg/L]	
DATA MODE	[on board]	REPORT NAME	[IGG CSF 2]			
QC INTERVAL	[0]	INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]				
EXPECTED VALUES	[15] - [75]					
TECHNICAL LIMIT	[0] - [300]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[16]	[0]	[0]	[**]
(2)	[**]	***	[20]	[10]	[180]	[**]
(3)	[**]	***	[2]	[0]	[0]	[**]
(4)	[**]	***	[4]	[0]	[0]	[**]
(5)	[**]	***	[8]	[0]	[0]	[**]
(6)	[**]	***	[16]	[0]	[0]	[ ]
TEST	[IGG CSF 2]	WAVELENGTH (2nd/Primary):	[700]/[340]			
ASSAY CODE	[2Point End] [10] [ ]	Diluent/Rgt Stability	[*] [99]			
ASSAY POINT	[15] - [31] - [0] - [0]					
S. VOL (Regular)	[16]	[0]	[0]			
S. VOL (Decrease)		[8]	[10]	[180]		
S. VOL (Increase)		[32]	[0]	[0]		
ABSORB LIM	[0]		[32000][Increase]			
PROZONE LIM	[-32000]		[32000][Upper]			
REAGENT	R1	[250]	[0]	[**]	[0]	
	R2	[0]	[0]	[ ]	[0]	
	R3	[50]	[0]	[**]	[0]	
	R4	[0]	[0]	[ ]	[0]	
CALIB TYPE	[Spline]	[6]	[0]	[0]	[ ]	
AUTO TIME OUT BLANK	[0]		SD LIM		[500]	
	SPAN	[0]	DUPLICATE LIM	[1000]		
	2POINT	[0]	SENSITIVITY LIM		[0]	
	FULL	[0]	S1ABS LIM		[-32000] [32000]	
AUTO CHANGE OF LOT	[cancel]		COMPENSATED LIM		[ ]	
CHANGE OF BOTTLE		[cancel]				

\* Diluent name  
 \*\* Testnumber  
 \*\*\* Entered by operator

**3. Ordering information**

105C002 1 x 10 mL Antiserum  
 5 x 25 mL Buffer  
 MPP/STD-001 Pediatric Standard (diluted 1:5), 1 mL  
 MPP/CON-001 Pediatric Control (diluted 1:5), 1mL

# APPLICATION NOTE

## HITACHI 911

# IGM KIT

## 2<sup>nd</sup> GENERATION

### 1. Reagent preparation

All reagents are ready for use

R1: Buffer      R2: none      R3: Antiserum    R4: none

### 2. Instrument setting

TEST	[IgM2]	[**]	TEST NAME	[IgM2]	UNIT	[mg/dL]
DATA MODE	[on board]		REPORT NAME	[IgM 2 <sup>nd</sup> generation]		
QC INTERVAL	[0]		INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]			
EXPECTED VALUES	[33]	- [250]				
TECHNICAL LIMIT	[0]	- [500]				
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[2]	[0]	[0]	[**]
(2)	[**]	***	[5]	[5]	[195]	[**]
(3)	[**]	***	[10]	[5]	[190]	[**]
(4)	[**]	***	[20]	[5]	[180]	[**]
(5)	[**]	***	[20]	[10]	[180]	[**]
(6)	[**]	***	[2]	[0]	[0]	[ ]
TEST	[IgM2]		WAVELENGTH (2nd/Primary):	[700]/[340]		
ASSAY CODE	[2Point End]	[10]	[ ]	Diluent/Rgt Stability	[*]	[99]
ASSAY POINT	[15]	- [31]	- [0]			
S. VOL (Regular)	[2]	[0]	[0]			
S. VOL (Decrease)	[20]	[10]	[180]			
S. VOL (Increase)	[4]	[0]	[0]			
ABSORB LIM	[0]		[32000][Increase]			
PROZONE LIM	[-32000]		[32000][Upper]			
REAGENT	R1	[350]	[0]	[**]	[0]	
	R2	[0]	[0]	[ ]	[0]	
	R3	[50]	[0]	[**]	[0]	
	R4	[0]	[0]	[ ]	[0]	
CALIB TYPE	[Spline]	[6]	[0]	[0]	[ ]	
AUTO TIME OUT BLANK		[0]		SD LIM		[500]
SPAN		[0]		DUPLICATE LIM		[1000]
2POINT		[0]		SENSITIVITY LIM		[0]
FULL		[0]		S1ABS LIM		[-32000] [32000]
AUTO CHANGE OF LOT		[cancel]		COMPENSATED LIM		[ ]
CHANGE OF BOTTLE		[cancel]				

\* Diluent name

\*\* Testnumber

\*\*\* Entered by operator

### 3. Ordering 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, 1mL



APPLICATION NOTE  
HITACHI 911  
**MICROALBUMIN KIT**  
**2<sup>nd</sup> GENERATION**  
**URINE**

**1. Reagent preparation**

All reagents are ready for use

Sample: centrifuged urine

R1: Buffer      R2: none      R3: Antiserum   R4: none

**2. Instrument setting**

TEST	[MAL2]	[**]	TEST NAME	[MAL2]	UNIT	[mg/L]
DATA MODE	[on board]		REPORT NAME	[Microalbumin 2 <sup>nd</sup> Generation]		
QC INTERVAL	[0]		INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]			
EXPECTED VALUES	[0] - [25]					
TECHNICAL LIMIT	[0] - [400]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[16]	[0]	[0]	[**]
(2)	[***]	***	[20]	[10]	[180]	[**]
(3)	[***]	***	[2]	[0]	[0]	[**]
(4)	[***]	***	[4]	[0]	[0]	[**]
(5)	[***]	***	[8]	[0]	[0]	[**]
(6)	[***]	***	[16]	[0]	[0]	[ ]
TEST	[MAL2]		WAVELENGTH (2nd/Primary):	[700]/[340]		
ASSAY CODE	[2Point End] [10] [ ]		Diluent/Rgt Stability	[*] [99]		
ASSAY POINT	[15] - [31] - [0] - [0]					
S. VOL (Regular)	[16]	[0]	[0]			
S. VOL (Decrease)	[8]	[0]	[0]			
S. VOL (Increase)	[32]	[0]	[0]			
ABSORB LIM	[0]		[32000]	[Increase]		
PROZONE LIM	[-32000]		[32000]	[Upper]		
REAGENT	R1	[250]	[0]	[**]	[0]	
	R2	[0]	[0]	[ ]	[0]	
	R3	[40]	[0]	[**]	[0]	
	R4	[0]	[0]	[ ]	[0]	
CALIB TYPE	[Spline]	[6]	[0]	[0]	[ ]	
AUTO TIME OUT BLANK		[0]		SD LIM	[500]	
SPAN		[0]		DUPLICATE LIM	[1000]	
2POINT		[0]		SENSITIVITY LIM	[0]	
FULL		[0]		S1ABS LIM	[-32000] [32000]	
AUTO CHANGE OF LOT		[cancel]		COMPENSATED LIM	[ ]	
CHANGE OF BOTTLE		[cancel]				

\* Diluent name  
\*\* Testnumber  
\*\*\* Entered by operator

**3. Ordering information**

102C002      1 x 10 mL Antiserum  
                  5 x 25 mL Buffer  
MAL/STD-001    Microalbumin Standard, 1 mL  
MAL/CON-001    Microalbumin Control, 1 mL  
102F003      Microalbumin Control Low, 1 mL

APPLICATION NOTE  
HITACHI 911  
**MICROALBUMIN KIT**  
**2<sup>nd</sup> GENERATION**  
**URINE**

**1. Reagent preparation**

Standard:     μALB standard, ready for use  
R1:            Buffer, ready for use  
R2:            none  
R3:            Antiserum, ready for use  
R4:            none

**2. Instrument setting**

TEST	[MAL2]	[**]	TEST NAME [MAL2]	UNIT [mg/L]		
DATA MODE	[on board]		REPORT NAME [Microalbumin 2 <sup>nd</sup> Generation]			
QC INTERVAL	[0]		INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]			
EXPECTED VALUES	[0] - [25]					
TECHNICAL LIMIT	[0] - [400]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	01	[16]	[0]	[0]	[**]
(2)	[25]	21	[20]	[10]	[180]	[**]
(3)	[50]	21	[2]	[0]	[0]	[**]
(4)	[100]	21	[4]	[0]	[0]	[**]
(5)	[200]	21	[8]	[0]	[0]	[**]
(6)	[400]	21	[16]	[0]	[0]	[ ]
TEST	[MAL2]		WAVELENGTH (2nd/Primary): [700]/[340]			
ASSAY CODE	[2Point End] [10] [ ]		Diluent/Rgt Stability [*] [99]			
ASSAY POINT	[15] - [31] - [0] - [0]					
S. VOL (Regular)	[16]	[0]	[0]			
S. VOL (Decrease)	[8]	[0]	[0]			
S. VOL (Increase)	[32]	[0]	[0]			
ABSORB LIM	[0]		[32000][Increase]			
PROZONE LIM	[-32000]		[32000][Upper]			
REAGENT	R1	[250]	[0]	[**]	[0]	
	R2	[0]	[0]	[ ]	[0]	
	R3	[40]	[0]	[**]	[0]	
	R4	[0]	[0]	[ ]	[0]	
CALIB TYPE	[Spline]	[6]	[0]	[0]	[ ]	
AUTO TIME OUT BLANK		[0]		SD LIM	[500]	
	SPAN	[0]		DUPLICATE LIM	[1000]	
	2POINT	[0]		SENSITIVITY LIM	[0]	
	FULL	[0]		S1ABS LIM	[-32000] [32000]	
AUTO CHANGE OF LOT		[cancel]		COMPENSATED LIM	[ ]	
CHANGE OF BOTTLE		[cancel]				

\* Diluent name  
\*\* Testnumber  
\*\*\* Entered by operator

# APPLICATION NOTE

## HITACHI 911

# Prealbumin

## N-DIL (AUT-KIT)

### 1. Reagent preparation

All reagents are ready for use

R1: Buffer      R2: none      R3: Antiserum      R4: none

### 2. Instrument setting

TEST	[PAL]	[**]	TEST NAME [PAL]	UNIT [mg/dL]		
DATA MODE	[on board]		REPORT NAME [Prealbumin]			
QC INTERVAL	[0]		INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]			
EXPECTED VALUES	[21] - [41]					
TECHNICAL LIMIT	[0] - [80]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[2]	[0]	[0]	[**]
(2)	[**]	***	[5]	[5]	[195]	[**]
(3)	[**]	***	[10]	[5]	[190]	[**]
(4)	[**]	***	[20]	[5]	[180]	[**]
(5)	[**]	***	[20]	[10]	[180]	[**]
(6)	[**]	***	[2]	[0]	[0]	[ ]
TEST	[PAL]		WAVELENGTH (2nd/Primary):	[700]/[340]		
ASSAY CODE	[2Point End]	[10] [ ]	Diluent/Rgt Stability	[*] [99]		
ASSAY POINT	[15] - [31] - [0] - [0]					
S. VOL (Regular)	[2]	[0]	[0]			
S. VOL (Decrease)	[20]	[10]	[180]			
S. VOL (Increase)	[4]	[0]	[0]			
ABSORB LIM	[0]		[32000][Increase]			
PROZONE LIM	[-32000]		[32000][Upper]			
REAGENT	R1	[220]	[0]	[**]	[0]	
	R2	[0]	[0]	[ ]	[0]	
	R3	[20]	[0]	[**]	[0]	
	R4	[0]	[0]	[ ]	[0]	
CALIB TYPE	[Spline]	[6]	[0]	[0]	[ ]	
AUTO TIME OUT BLANK		[0]		SD LIM	[500]	
SPAN		[0]		DUPLICATE LIM	[1000]	
2POINT		[0]		SENSITIVITY LIM	[0]	
FULL		[0]		S1ABS LIM	[-32000] [32000]	
AUTO CHANGE OF LOT		[cancel]		COMPENSATED LIM	[ ]	
CHANGE OF BOTTLE		[cancel]				

\* Diluent name

\*\* Testnumber

\*\*\* Entered by operator

### 3. Ordering information

PAL/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, 1mL

# APPLICATION NOTE

## HITACHI 911

# Rheumatoid Factor KIT

### 1. Reagent preparation

All reagents are ready for use

R1: Buffer      R2: none      R3: Latex      R4: none

### 2. Instrument setting

TEST	[RF]	[**]	TEST NAME	[RF]	UNIT	[IU/mL]
DATA MODE	[on board]		REPORT NAME	[Rheumatoid Factor KIT]		
QC INTERVAL	[0]		INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]			
EXPECTED VALUES	[0] - [20]					
TECHNICAL LIMIT	[0] - [205]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[4]	[0]	[0]	[**]
(2)	[**]	***	[10]	[5]	[190]	[**]
(3)	[**]	***	[20]	[5]	[180]	[**]
(4)	[**]	***	[20]	[10]	[180]	[**]
(5)	[**]	***	[2]	[0]	[0]	[**]
(6)	[**]	***	[4]	[0]	[0]	[ ]
TEST	[RF]		WAVELENGTH (2nd/Primary):	[ ]/[600]		
ASSAY CODE	[2Point End]	[10]	[ ]	Diluent/Rgt Stability [ * ] [99]		
ASSAY POINT	[15] - [31]	[0] - [0]				
S. VOL (Regular)	[4]	[0]	[0]			
S. VOL (Decrease)	[2]	[0]	[0]			
S. VOL (Increase)	[8]	[0]	[0]			
ABSORB LIM	[0]		[32000][Increase]			
PROZONE LIM	[-32000]		[32000][Upper]			
REAGENT	R1	[250]	[0]	[**]	[0]	
	R2	[0]	[0]	[ ]	[0]	
	R3	[25]	[0]	[**]	[0]	
	R4	[0]	[0]	[ ]	[0]	
CALIB TYPE	[Spline]	[6]	[0]	[0]	[ ]	
AUTO TIME OUT BLANK	[0]		SD LIM	[500]		
SPAN	[0]		DUPLICATE LIM	[1000]		
2POINT	[0]		SENSITIVITY LIM	[0]		
FULL	[0]		S1ABS LIM	[-32000] [32000]		
AUTO CHANGE OF LOT	[cancel]		COMPENSATED LIM	[ ]		
CHANGE OF BOTTLE	[cancel]					

\* Diluent name

\*\* Testnumber

\*\*\* Entered by operator

### 3. Ordering information

100C001      1 x 10 mL Latex

                 2 x 25 mL Buffer

RHF/STH-001    RF Standard High, 1 mL

RHF/CON-001    RF Control, 1 mL

# APPLICATION NOTE

## HITACHI 911

# TRANSFERRIN N-DIL (AUT-KIT)

### 1. Reagent preparation

All reagents are ready for use

R1: Buffer      R2: none      R3: Antiserum   R4: none

### 2. Instrument setting

TEST	[TRF]	[**]	TEST NAME [TRF]	UNIT [mg/dL]		
DATA MODE	[on board]		REPORT NAME [Transferrin]			
QC INTERVAL	[0]		INSTRUMENT FACTOR (y=ax +b) a[1.0] b[0.0]			
EXPECTED VALUES	[170] - [340]					
TECHNICAL LIMIT	[0] - [500]					
STD	CONC.	POS	SAMPLE	PRE	DIL	CALIB
(1)	[0.0]	***	[3]	[0]	[0]	[**]
(2)	[***]	***	[3]	[0]	[0]	[**]
(3)	[***]	***	[3]	[0]	[0]	[**]
(4)	[***]	***	[3]	[0]	[0]	[**]
(5)	[***]	***	[3]	[0]	[0]	[**]
(6)	[***]	***	[3]	[0]	[0]	[ ]
TEST	[TRF]		WAVELENGTH (2nd/Primary): [700]/[340]			
ASSAY CODE	[2Point End] [10] [ ]		Diluent/Rgt Stability [*] [99]			
ASSAY POINT	[15] - [31] - [0] - [0]					
S. VOL (Regular)	[3]	[0]	[0]			
S. VOL (Decrease)	[50]	[6]	[150]			
S. VOL (Increase)	[6]	[0]	[0]			
ABSORB LIM	[0]		[32000][Increase]			
PROZONE LIM	[-32000]		[32000][Upper]			
REAGENT	R1	[300]	[0]	[**]	[0]	
	R2	[0]	[0]	[ ]	[0]	
	R3	[30]	[0]	[**]	[0]	
	R4	[0]	[0]	[ ]	[0]	
CALIB TYPE	[Spline]	[6]	[0]	[0]	[ ]	
AUTO TIME OUT BLANK		[0]	SD LIM		[500]	
SPAN		[0]	DUPLICATE LIM		[1000]	
2POINT		[0]	SENSITIVITY LIM		[0]	
FULL		[0]	S1ABS LIM		[-32000] [32000]	
AUTO CHANGE OF LOT		[cancel]	COMPENSATED LIM		[ ]	
CHANGE OF BOTTLE		[cancel]				

\* Diluent name

\*\* Testnumber

\*\*\* Entered by operator

### 3. Ordering information

TRF /AUT-000 1 x 10 mL Antiserum

5 x 25 mL Buffer

TRF/STS-5x1 Transferrin Standard Set, 5x1mL

139F003 Immunology Control Low, 1mL

139F002 Immunology Control High, 1mL