

APPLICATION NOTE

COBAS MIRA PLUS

α 1-ANTITRYPSIN SD (AUT KIT)

1. Reagent preparation

Sample: Ready for use
 Reagent: Buffer, ready for use
 Start: Antiserum, ready for use
 Calibrator: Ready for use

2. Instrument setting

GENERAL			CALCULATION	
MEASUREMENT MODE		ABSORB	SAMPLE	LIMIT
REACTION MODE		D-R-S-SR1	REAC. DIRECTION	NO INCREASE
CALIBRATION MODE		LOGIT/LOG5		CHECK OFF
REAGENT BLANK		REAG/DIL	ANTIGEN	EXCESS NO
CLEANER		NO	CONVERS.	FACTOR 1.000
WAVELENGTH		340 nm		OFFSET 0.000
DECIMAL POSITION		1	TEST RANGE	LOW ON
UNIT		mg/dL		HIGH ON
			NORM. RANGE	LOW 89 mg/dL
				HIGH 205 mg/dL
			NUMBER OF STEPS	1
			CALC. STEP A	ENDPOINT
			READINGS	FIRST 4
				LAST 20
ANALYSIS			CALIBRATION	
DILUENT	NAME	**	CALIB. INTERVAL	ON REQUEST
	FACTOR	20.00		**
	TIME	NO	BLANK	
	STD	MAIN INDIRECT	REAG. RANGE	LOW NO
	MAIN STD	*	BLANK RANGE	HIGH NO
	POS	**		LOW NO
FACT. STD-	1 9 2	2		HIGH NO
	3 2 4	2	STANDARDS	***
	5 2 6	NO	REPLICATE	SINGLE
POS DIL.	FACTOR	2.00	DEVIATION	10%
CONC.	FACTOR	2.00	CORRECTION STD	NO
SAMPLE	CYCLE	1		
	VOLUME	6 μ L		
DILUENT	NAME	H2O		
	VOLUME	10 μ L		
REAGENT	CYCLE	1		
	VOLUME	160 μ L		
START R1	CYCLE	5		
	VOLUME	20 μ L		
DILUENT	NAME	H2O		
	VOLUME	10 μ L		

* Standard value on label multiplied by dilution factor

** Data entered by operator

*** Standard values computed by the instrument

3. Order information

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

APPLICATION NOTE

COBAS MIRA PLUS

α 1- ACID GLYCOPROTEIN SD (AUT KIT)

1. Reagent preparation

Sample: Ready for use
 Reagent: Buffer, ready for use
 Start: Antiserum, ready for use
 Calibrator: Ready for use

2. Instrument setting

GENERAL			CALCULATION	
MEASUREMENT MODE		ABSORB	SAMPLE	LIMIT
REACTION MODE		D-R-S-SR1	REAC. DIRECTION	NO INCREASE
CALIBRATION MODE		LOGIT/LOG5		CHECK OFF
REAGENT BLANK		REAG/DIL	ANTIGEN	EXCESS NO
CLEANER		NO	CONVERS.	FACTOR 1.000
WAVELENGTH		340 nm		OFFSET 0.000
DECIMAL POSITION		1	TEST RANGE	LOW ON
UNIT		mg/dL		HIGH ON
			NORM. RANGE	LOW 40 mg/dL
				HIGH 130 mg/dL
			NUMBER OF STEPS	1
			CALC. STEP A	ENDPOINT
			READINGS	FIRST 4
				LAST 20
ANALYSIS			CALIBRATION	
DILUENT	NAME	**	CALIB. INTERVAL	ON REQUEST
	FACTOR	10.00		TIME **
	TIME	NO	BLANK	
	STD	MAIN INDIRECT	REAG. RANGE	LOW NO
	MAIN STD	*	BLANK RANGE	HIGH NO
	POS	**		LOW NO
FACT. STD-	1 5 2	2		HIGH NO
	3 2 4	2	STANDARDS	***
	5 2 6	NO	REPLICATE	SINGLE
POS DIL.	FACTOR	2.00	DEVIATION	10%
CONC.	FACTOR	2.00	CORRECTION STD	NO
SAMPLE	CYCLE	1		
	VOLUME	15 μ L		
DILUENT	NAME	H2O		
	VOLUME	10 μ L		
REAGENT	CYCLE	1		
	VOLUME	150 μ L		
START R1	CYCLE	5		
	VOLUME	20 μ L		
DILUENT	NAME	H2O		
	VOLUME	10 μ L		

* Standard value on label multiplied by dilution factor

** Data entered by operator

*** Standard values computed by the instrument

3. Order information

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

APPLICATION NOTE

COBAS MIRA PLUS

ASL(O) SD (AUT-KIT)

1. Reagent preparation

Sample: Ready for use
 Reagent: Buffer, ready for use
 Start: Latex, ready for use
 Calibrator: Ready for use

2. Instrument setting

GENERAL		ABSORB	CALCULATION	
MEASUREMENT MODE		D-R-S-SR1	SAMPLE	LIMIT
REACTION MODE		LOGIT/LOG5	REAC. DIRECTION	NO INCREASE
CALIBRATION MODE		REAG/DIL		CHECK OFF
REAGENT BLANK		NO	ANTIGEN	EXCESS NO
CLEANER		600 nm	CONVERS.	FACTOR 1.00000
WAVELENGTH		0	TEST RANGE	OFFSET 0.00000
DECIMAL POSITION		IU/mL		LOW OFF
UNIT			NORM. RANGE	HIGH ON
				LOW 0 IU/mL
			NUMBER OF STEPS	HIGH 200 IU/mL
			CALC. STEP A	1
			READINGS	ENDPOINT
			FIRST	3
			LAST	20
ANALYSIS			CALIBRATION	
DILUENT	NAME	**	CALIB. INTERVAL	ON REQUEST
	FACTOR	10.00		**
	TIME	NO	BLANK	
	STD	NO MAIN INDIRECT	REAG. RANGE	LOW NO
	MAIN STD	*	BLANK RANGE	HIGH NO
	POS	**		LOW NO
FACT. STD-	1 5 2	2		HIGH NO
	3 2 4	2	STANDARDS	***
	5 NO 6	NO	REPLICATE	SINGLE
POS DIL.	FACTOR	3.00	DEVIATION	10%
CONC.	FACTOR	NO	CORRECTION STD	NO
SAMPLE	CYCLE	1		
	VOLUME	20 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		
REAGENT	CYCLE	1		
	VOLUME	140 µL		
START R1	CYCLE	4		
	VOLUME	30 µL		
DILUENT	NAME	H2O		
	VOLUME	0 µL		

* Standard value on label multiplied by dilution factor

** Data entered by operator

*** Standard values computed by the instrument

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
 139F003 Immunology Control Low, 1mL
 139F002 Immunology Control High, 1 mL

APPLICATION NOTE

COBAS MIRA PLUS

COMPLEMENT C3 SD (AUT-KIT)

1. Reagent preparation

Sample: Ready for use
 Reagent: Buffer, ready for use
 Start: Antiserum, ready for use
 Calibrator: Ready for use

2. Instrument setting

GENERAL			CALCULATION	
MEASUREMENT MODE		ABSORB	SAMPLE	LIMIT
REACTION MODE		D-R-S-SR1	REAC. DIRECTION	NO INCREASE
CALIBRATION MODE		LOGIT/LOG5		OFF
REAGENT BLANK CLEANER		REAG/DIL	ANTIGEN CONVERS.	CHECK EXCESS FACTOR
WAVELENGTH		NO		NO
DECIMAL POSITION		340 nm	TEST RANGE	OFFSET
UNIT		1		0.000
		mg/dL	NORM. RANGE	LOW ON
				HIGH ON
			NUMBER OF STEPS	LOW 75 mg/dL
			CALC. STEP A	HIGH 135 mg/dL
			READINGS	1
				ENDPOINT
				FIRST 4
				LAST 20
ANALYSIS			CALIBRATION	
DILUENT	NAME	**	CALIB. INTERVAL	ON REQUEST
	FACTOR	10.00		**
	TIME	NO	BLANK	
	STD	MAIN INDIRECT	REAG. RANGE	LOW NO
	MAIN STD	*	BLANK RANGE	HIGH NO
	POS	**		LOW NO
FACT. STD-	1 6 2	2	STANDARDS	NO
	3 2 4	2	REPLICATE	***
	5 2 6	NO	DEVIATION	SINGLE
POS DIL.	FACTOR	2.00	CORRECTION STD	10%
CONC.	FACTOR	2.00		NO
SAMPLE	CYCLE	1		
	VOLUME	15 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		
REAGENT	CYCLE	1		
	VOLUME	150 µL		
START R1	CYCLE	5		
	VOLUME	20 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		

* Standard value on label multiplied by dilution factor

** Data entered by operator

*** Standard values computed by the instrument

3. Order information

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

APPLICATION NOTE

COBAS MIRA PLUS

COMPLEMENT C4 SD (AUT-KIT)

1. Reagent preparation

Sample: Ready for use
 Reagent: Buffer, ready for use
 Start: Antiserum, ready for use
 Calibrator: Ready for use

2. Instrument setting

GENERAL			CALCULATION	
MEASUREMENT MODE		ABSORB	SAMPLE	LIMIT
REACTION MODE		D-R-S-SR1	REAC. DIRECTION	NO INCREASE
CALIBRATION MODE		LOGIT/LOG5		OFF
REAGENT BLANK CLEANER		REAG/DIL	ANTIGEN CONVERS.	CHECK EXCESS FACTOR
WAVELENGTH		NO		NO
DECIMAL POSITION		340 nm	TEST RANGE	OFFSET
UNIT		1		0.000
		mg/dL	NORM. RANGE	LOW OFF
				HIGH ON
			NUMBER OF STEPS	LOW 9 mg/dL
			CALC. STEP A	HIGH 36 mg/dL
			READINGS	1
				ENDPOINT
				FIRST 4
				LAST 20
ANALYSIS			CALIBRATION	
DILUENT	NAME	**	CALIB. INTERVAL	ON REQUEST
	FACTOR	10.00		**
	TIME	NO	BLANK	
	STD	MAIN INDIRECT	REAG. RANGE	LOW NO
	MAIN STD	*	BLANK RANGE	HIGH NO
	POS	**		LOW NO
FACT. STD-	1 5 2	2	STANDARDS	NO
	3 2 4	2	REPLICATE	***
	5 2 6	NO	DEVIATION	SINGLE
POS DIL.	FACTOR	2.00	CORRECTION STD	10%
CONC.	FACTOR	NO		NO
SAMPLE	CYCLE	1		
	VOLUME	30 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		
REAGENT	CYCLE	1		
	VOLUME	150 µL		
START R1	CYCLE	5		
	VOLUME	20 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		

* Standard value on label multiplied by dilution factor

** Data entered by operator

*** Standard values computed by the instrument

3. Order information

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

APPLICATION NOTE

COBAS MIRA PLUS

CERULOPLASMIN SD (AUT KIT)

1. Reagent preparation

Sample: Ready for use
 Reagent: Buffer, ready for use
 Start: Antiserum, ready for use
 Calibrator: Ready for use

2. Instrument setting

GENERAL			CALCULATION	
MEASUREMENT MODE		ABSORB	SAMPLE	LIMIT
REACTION MODE		D-R-S-SR1	REAC. DIRECTION	NO INCREASE
CALIBRATION MODE		LOGIT/LOG5		OFF
REAGENT BLANK		REAG/DIL	ANTIGEN	CHECK EXCESS
CLEANER		NO	CONVERS.	FACTOR
WAVELENGTH		340 nm		OFFSET
DECIMAL POSITION		1	TEST RANGE	LOW ON
UNIT		mg/dL		HIGH ON
			NORM. RANGE	LOW 22 mg/dL
				HIGH 61 mg/dL
			NUMBER OF STEPS	1
			CALC. STEP A	ENDPOINT
			READINGS	FIRST 4
				LAST 30
ANALYSIS			CALIBRATION	
DILUENT	NAME	**	CALIB. INTERVAL	TIME
	FACTOR	10.00		ON REQUEST
	TIME	NO	BLANK	**
	STD	MAIN INDIRECT	REAG. RANGE	LOW NO
	MAIN STD	*	BLANK RANGE	HIGH NO
	POS	**		LOW NO
FACT. STD-	1 4 2	2		HIGH NO
	3 2 4	2	STANDARDS	***
	5 2 6	NO	REPLICATE	SINGLE
POS DIL.	FACTOR	3.00	DEVIATION	10%
CONC.	FACTOR	2.00	CORRECTION STD	NO
SAMPLE	CYCLE	1		
	VOLUME	15 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		
REAGENT	CYCLE	1		
	VOLUME	150 µL		
START R1	CYCLE	5		
	VOLUME	15 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		

* Standard value on label multiplied by dilution factor

** Data entered by operator

*** Standard values computed by the instrument

3. Order information

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

APPLICATION NOTE

COBAS MIRA PLUS

RHEUMATOID FACTOR SD (AUT-KIT)

(LATEX)

1. Reagent preparation
 Sample: Ready for use
 Reagent: Buffer, ready for use
 Start: Latex, ready for use
 Calibrator: Ready for use

2. Instrument setting

GENERAL			CALCULATION	
MEASUREMENT MODE		ABSORB	SAMPLE	LIMIT
REACTION MODE		D-R-S-SR1	REAC. DIRECTION	NO INCREASE
CALIBRATION MODE		LOGIT/LOG4		OFF
REAGENT BLANK		REAG/DIL	ANTIGEN	CHECK EXCESS
CLEANER		NO	CONVERS.	FACTOR
WAVELENGTH		600 nm		OFFSET
DECIMAL POSITION		1	TEST RANGE	LOW OFF
UNIT		IU/mL		HIGH ON
			NORM. RANGE	LOW 0 IU/mL
				HIGH 50 IU/mL
			NUMBER OF STEPS	1
			CALC. STEP A	ENDPOINT
			READINGS	FIRST 3
				LAST 25
ANALYSIS			CALIBRATION	
DILUENT	NAME	**	CALIB. INTERVAL	ON REQUEST
	FACTOR	10.00		**
	TIME	NO	BLANK	
	STD	MAIN INDIRECT	REAG. RANGE	LOW NO
	MAIN STD	*	BLANK RANGE	HIGH NO
	POS	**		LOW NO
FACT. STD-	1 5 2	2		HIGH NO
	3 2 4	2	STANDARDS	***
	5 NO 6	NO	REPLICATE	SINGLE
POS DIL.	FACTOR	3.00	DEVIATION	10%
CONC.	FACTOR	NO	CORRECTION STD	NO
SAMPLE	CYCLE	1		
	VOLUME	10 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		
REAGENT	CYCLE	1		
	VOLUME	190 µL		
START R1	CYCLE	4		
	VOLUME	14 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		

* Standard value on label multiplied by dilution factor

** Data entered by operator

*** Standard values computed by the instrument

3. Order information

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

APPLICATION NOTE

COBAS MIRA PLUS

HAPTOGLOBIN SD (AUT KIT)

1. Reagent preparation

Sample: Ready for use
 Reagent: Buffer, ready for use
 Start: Antiserum, ready for use
 Calibrator: Ready for use

2. Instrument setting

GENERAL			CALCULATION	
MEASUREMENT MODE		ABSORB	SAMPLE	LIMIT
REACTION MODE		D-R-S-SR1	REAC. DIRECTION	NO INCREASE
CALIBRATION MODE		LOGIT/LOG5		OFF
REAGENT BLANK		REAG/DIL	ANTIGEN	CHECK EXCESS
CLEANER		NO	CONVERS.	FACTOR
WAVELENGTH		340 nm		OFFSET
DECIMAL POSITION		1	TEST RANGE	LOW
UNIT		mg/dL		HIGH
			NORM. RANGE	LOW
				HIGH
			NUMBER OF STEPS	1
			CALC. STEP A	ENDPOINT
			READINGS	FIRST
				LAST
				20
ANALYSIS			CALIBRATION	
DILUENT	NAME	**	CALIB. INTERVAL	TIME
	FACTOR	10.00		ON REQUEST
	TIME	NO	BLANK	**
	STD	MAIN INDIRECT	REAG. RANGE	LOW
	MAIN STD	*	BLANK RANGE	HIGH
	POS	**		LOW
FACT. STD-	1 3 2	2		HIGH
	3 2 4	2	STANDARDS	NO
	5 2 6	NO	REPLICATE	***
POS DIL.	FACTOR	2.00	DEVIATION	SINGLE
CONC.	FACTOR	4.00	CORRECTION STD	10%
SAMPLE	CYCLE	1		NO
	VOLUME	8 µL		
DILUENT	NAME	H2O		
	VOLUME	25 µL		
REAGENT	CYCLE	1		
	VOLUME	150 µL		
START R1	CYCLE	5		
	VOLUME	15 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		

3. Order information

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

APPLICATION NOTE COBAS MIRA PLUS IGA KIT 2nd GENERATION

1. Reagent preparation

Sample: Ready for use

Reagent: Buffer, ready for use

Start: Antiserum, ready for use

Calibrator: Ready for use

2. Instrument setting

GENERAL			CALCULATION	
MEASUREMENT MODE		ABSORB	SAMPLE	LIMIT
REACTION MODE		D-R-S-SR1	REAC. DIRECTION	NO INCREASE
CALIBRATION MODE		LOGIT/LOG5		CHECK OFF
REAGENT BLANK		REAG/DIL	ANTIGEN	EXCESS NO
CLEANER		NO	CONVERS.	FACTOR 1.000
WAVELLENGTH		340 nm		OFFSET 0.000
DECIMAL POSITION		0	TEST RANGE	LOW ON
UNIT		mg/dL		HIGH ON
			NORM. RANGE	LOW 70 mg/dL
				HIGH 406 mg/dL
			NUMBER OF STEPS	1
			CALC. STEP A	ENDPOINT
			READINGS	FIRST 4
				LAST 20
ANALYSIS			CALIBRATION	
DILUENT	NAME	**	CALIB. INTERVAL	ON REQUEST
	FACTOR	20.00		TIME **
	TIME	NO	BLANK	
	STD	MAIN INDIRECT	REAG. RANGE	LOW NO
	MAIN STD	*	BLANK RANGE	HIGH NO
	POS	**		LOW NO
FACT. STD-	1 7 2	2		HIGH NO
	3 2 4	2	STANDARDS	***
	5 2 6	NO	REPLICATE	SINGLE
POS DIL.	FACTOR	5.00	DEVIATION	10%
CONC.	FACTOR	2.00	CORRECTION STD	NO
SAMPLE	CYCLE	1		
	VOLUME	15 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		
REAGENT	CYCLE	1		
	VOLUME	150 µL		
START R1	CYCLE	5		
	VOLUME	12 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		

* Standard value on label multiplied by dilution factor

** Data entered by operator

*** Standard values computed by the instrument

3. Order information

104C002 1 x 10 mL Antiserum

5 x 25 mL Buffer

MPS/STL-001 Protein Standard Low, 1 mL

139F003 Immunology Control Low, 1mL

139F002 Immunology Control High, 1 mL

APPLICATION NOTE

COBAS MIRA PLUS

IGG SD (AUT KIT)

1. Reagent preparation

Sample: Ready for use

Reagent: **Do not use the buffer of the IGG/AUT-Kit(0.5% PEG),use a 4% PEG buffer.**

Start: Antiserum, ready for use

Calibrator: Ready for use

2. Instrument setting

GENERAL			CALCULATION	
MEASUREMENT MODE		ABSORB	SAMPLE	LIMIT
REACTION MODE		D-R-S-SR1	REAC. DIRECTION	NO INCREASE
CALIBRATION MODE		LOGIT/LOG5		OFF
REAGENT BLANK		REAG/DIL	ANTIGEN	CHECK EXCESS
CLEANER		NO	CONVERS.	FACTOR
WAVELENGTH		340 nm		OFFSET
DECIMAL POSITION		0	TEST RANGE	LOW
UNIT		mg/dL		HIGH
			NORM. RANGE	LOW
				HIGH
			NUMBER OF STEPS	1
			CALC. STEP A	ENDPOINT
			READINGS	FIRST
				LAST
				20
ANALYSIS			CALIBRATION	
DILUENT	NAME	**	CALIB. INTERVAL	TIME
	FACTOR	20.00		ON REQUEST
	TIME	NO	BLANK	**
	STD	MAIN INDIRECT	REAG. RANGE	LOW
	MAIN STD	*	BLANK RANGE	HIGH
	POS	**		LOW
FACT. STD-	1	7	2	HIGH
	3	2	4	NO
	5	2	6	NO
POS	DIL.	FACTOR	5.00	NO
	CONC.	FACTOR	2.00	***
SAMPLE	CYCLE	1	STANDARDS	SINGLE
	VOLUME	7 µL	REPLICATE	10%
DILUENT	NAME	H2O	DEVIATION	NO
	VOLUME	10 µL	CORRECTION STD	
REAGENT	CYCLE	1		
	VOLUME	165 µL		
START R1	CYCLE	5		
	VOLUME	15 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		

* Standard value on label multiplied by dilution factor

** Data entered by operator

*** Standard values computed by the instrument

3. Order information

IGG/AUT-000 1 x 10 mL Antiserum
5 x 25 mL Buffer

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

PG4/BUF-100 4% PEG Buffer, 100 mL

APPLICATION NOTE COBAS MIRA PLUS IGM KIT 2nd GENERATION

1. Reagent preparation

Sample: Ready for use

Reagent: Buffer, ready for use

Start: Antiserum, ready for use

Calibrator: Ready for use

2. Instrument setting

GENERAL			CALCULATION	
MEASUREMENT MODE		ABSORB	SAMPLE	LIMIT
REACTION MODE		D-R-S-SR1	REAC. DIRECTION	NO INCREASE
CALIBRATION MODE		LOGIT/LOG5		CHECK OFF
REAGENT BLANK		REAG/DIL	ANTIGEN	EXCESS NO
CLEANER		NO	CONVERS.	FACTOR 1.00000
WAVELLENGTH		340 nm		OFFSET 0.00000
DECIMAL POSITION		1	TEST RANGE	LOW ON
UNIT		mg/dL		HIGH ON
			NORM. RANGE	LOW 33 mg/dL
				HIGH 250 mg/dL
			NUMBER OF STEPS	1
			CALC. STEP A	ENDPOINT
			READINGS	FIRST 4
				LAST 20
ANALYSIS			CALIBRATION	
DILUENT	NAME	**	CALIB. INTERVAL	ON REQUEST
	FACTOR	15.00		TIME **
	TIME	NO	BLANK	
	STD	MAIN INDIRECT	REAG. RANGE	LOW NO
	MAIN STD	*	BLANK RANGE	HIGH NO
	POS	**		LOW NO
FACT. STD-	1 9 2	2		HIGH NO
	3 2 4	2	STANDARDS	***
	5 2 6	2	REPLICATE	SINGLE
POS DIL.	FACTOR	5.00	DEVIATION	10%
CONC.	FACTOR	2.00	CORRECTION STD	NO
SAMPLE	CYCLE	1		
	VOLUME	15 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		
REAGENT	CYCLE	1		
	VOLUME	150 µL		
START R1	CYCLE	5		
	VOLUME	30 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		

* Standard value on label multiplied by dilution factor

** Data entered by operator

*** Standard values computed by the instrument

3. Order information

106C002 1 x 10 mL Antiserum

5 x 25 mL Buffer

MPS/STL-001 Protein Standard Low, 1 mL

139F003 Immunology Control Low, 1mL

139F002 Immunology Control High, 1 mL

APPLICATION NOTE

COBAS MIRA PLUS

PREALBUMIN SD (AUT KIT)

1. Reagent preparation

Sample: Ready for use.

Reagent: Buffer, ready for use

Start: Antiserum, ready for use

Calibrator: Ready for use

2. Instrument setting

GENERAL			CALCULATION	
MEASUREMENT MODE		ABSORB	SAMPLE	LIMIT
REACTION MODE		D-R-S-SR1	REAC. DIRECTION	NO INCREASE
CALIBRATION MODE		LOGIT/LOG5		OFF
REAGENT BLANK		REAG/DIL	ANTIGEN	CHECK EXCESS
CLEANER		NO	CONVERS.	FACTOR
WAVELENGTH		340 nm		OFFSET
DECIMAL POSITION		1	TEST RANGE	LOW ON
UNIT		mg/dL		HIGH ON
			NORM. RANGE	LOW NO
				HIGH NO
			NUMBER OF STEPS	1
			CALC. STEP A	ENDPOINT
			READINGS	FIRST 4
				LAST 20
ANALYSIS			CALIBRATION	
DILUENT	NAME	**	CALIB. INTERVAL	ON REQUEST
	FACTOR	10.00		**
	TIME	NO	BLANK	
	STD	MAIN INDIRECT	REAG. RANGE	LOW NO
	MAIN STD	*	BLANK RANGE	HIGH NO
	POS	**		LOW NO
FACT. STD-	1 6 2	2		HIGH NO
	3 2 4	2	STANDARDS	***
	5 2 6	NO	REPLICATE	SINGLE
POS DIL.	FACTOR	2.00	DEVIATION	10%
CONC.	FACTOR	2.00	CORRECTION STD	NO
SAMPLE	CYCLE	1		
	VOLUME	15 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		
REAGENT	CYCLE	1		
	VOLUME	150 µL		
START R1	CYCLE	5		
	VOLUME	15 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		

* Standard value on label multiplied by dilution factor

** Data entered by operator

*** Standard values computed by the instrument

3. Order information

PAL/AUT-000 1 x 10 mL Antiserum

5 x 25 mL Buffer

MPS/STL-001 Protein Standard Low, 1 mL

139F003 Immunology Control Low, 1mL

139F002 Immunology Control High, 1 mL

APPLICATION NOTE

COBAS MIRA PLUS

COMPLEMENT C3 N-DIL (AUT-KIT)

1. Reagent preparation

Sample: Ready for use
 Reagent: Buffer, ready for use
 Start: Antiserum, ready for use
 Calibrator: Ready for use

2. Instrument setting

GENERAL			CALCULATION	
MEASUREMENT MODE		ABSORB	SAMPLE LIMIT	NO
REACTION MODE		D-R-S-SR1	REAC. DIRECTION	INCREASE
CALIBRATION MODE		LOGIT/LOG5	CHECK	OFF
REAGENT BLANK		REAG/DIL	EXCESS	NO
CLEANER		NO	FACTOR	1.000
WAVELENGTH		340 nm	OFFSET	0.000
DECIMAL POSITION		1	TEST RANGE	LOW ON
UNIT		mg/dL	HIGH ON	75 mg/dL
			NORM. RANGE	LOW 75 mg/dL
			HIGH	135 mg/dL
			NUMBER OF STEPS	1
			CALC. STEP A	ENDPOINT
			READINGS	FIRST 4
			LAST	20
ANALYSIS			CALIBRATION	
DILUENT	NAME	**	CALIB. INTERVAL	ON REQUEST
	FACTOR	NO	TIME	**
	TIME	NO	BLANK	
	STD	MAIN INDIRECT	REAG. RANGE	LOW NO
	MAIN STD	*	BLANK RANGE	HIGH NO
	POS	**	STANDARDS	LOW NO
FACT. STD-	1 1 2	2	REPLICATE	HIGH NO
	3 2 4	2	DEVIATION	***
	5 2 6	NO	CORRECTION STD	SINGLE
POS DIL.	FACTOR	2.00		10%
CONC.	FACTOR	2.00		NO
SAMPLE	CYCLE	1		
	VOLUME	2 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		
REAGENT	CYCLE	1		
	VOLUME	200 µL		
START R1	CYCLE	5		
	VOLUME	30 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		

* Standard value on label

** Data entered by operator

*** Standard values computed by the instrument

3. Order 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, 1 mL

APPLICATION NOTE

COBAS MIRA PLUS

CRP N-DIL (AUT-KIT)

1. Reagent preparation

Sample: Ready for use
 Reagent: Buffer, ready for use
 Start: Antiserum, ready for use
 Calibrator: Ready for use

2. Instrument setting

GENERAL			CALCULATION	
MEASUREMENT MODE		ABSORB	SAMPLE	LIMIT
REACTION MODE		D-R-S-SR1	REAC. DIRECTION	NO INCREASE
CALIBRATION MODE		LOGIT/LOG5		OFF
REAGENT BLANK		REAG/DIL	ANTIGEN	CHECK EXCESS
CLEANER		NO	CONVERS.	FACTOR
WAVELENGTH		340 nm		OFFSET
DECIMAL POSITION		2	TEST RANGE	LOW
UNIT		mg/dL		HIGH
			NORM. RANGE	LOW
				HIGH
			NUMBER OF STEPS	1
			CALC. STEP A	ENDPOINT
			READINGS	FIRST
				LAST
				20
ANALYSIS			CALIBRATION	
DILUENT	NAME	**	CALIB. INTERVAL	ON REQUEST
	FACTOR	NO		
	TIME	NO	BLANK	
	STD	MAIN INDIRECT	REAG. RANGE	LOW
	MAIN STD	*	BLANK RANGE	HIGH
	POS	**		LOW
FACT. STD-	1	1	2	HIGH
	3	2	4	NO
	5	2	6	***
POS	DIL.	FACTOR	2.00	SINGLE
	CONC.	FACTOR	NO	10%
SAMPLE		CYCLE	1	NO
		VOLUME	10 µL	
DILUENT		NAME	H2O	
		VOLUME	10 µL	
REAGENT		CYCLE	1	
		VOLUME	150 µL	
START R1		CYCLE	6	
		VOLUME	15 µL	
DILUENT		NAME	H2O	
		VOLUME	10 µL	

* Standard value on label multiplied by dilution factor

** Data entered by operator

*** Standard values computed by the instrument

3. Ordering information

CRP/AUT-000 1 x 10 mL Antiserum
 5 x 25 mL Buffer
 CRP/STH-001 CRP Standard High, 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

COBAS MIRA PLUS

IgA N-DIL (AUT-KIT)

CSF

1. Reagent preparation

Sample: Ready for use
 Reagent: Buffer, ready for use
 Start: Antiserum, ready for use
 Calibrator: Ready for use

2. Instrument setting

GENERAL			CALCULATION	
MEASUREMENT MODE		ABSORB	SAMPLE	LIMIT
REACTION MODE		D-R-S-SR1	REAC. DIRECTION	NO INCREASE
CALIBRATION MODE		LOGIT/LOG5		CHECK OFF
REAGENT BLANK		REAG/DIL	ANTIGEN	EXCESS NO
CLEANER		NO	CONVERS.	FACTOR 1.000
WAVELLENGTH		340 nm		OFFSET 0.000
DECIMAL POSITION		2	TEST RANGE	LOW ON
UNIT		mg/L		HIGH ON
			NORM. RANGE	LOW 1.5 mg/L
				HIGH 6 mg/L
			NUMBER OF STEPS	1
			CALC. STEP A	ENDPOINT
			READINGS	FIRST 4
				LAST 20
ANALYSIS			CALIBRATION	
DILUENT	NAME	**	CALIB. INTERVAL	ON REQUEST
	FACTOR	NO		**
	TIME	NO	BLANK	
	STD	MAIN INDIRECT	REAG. RANGE	LOW NO
	MAIN STD	*	BLANK RANGE	HIGH NO
	POS	**		LOW NO
FACT. STD-	1 2 2	2		HIGH NO
	3 2 4	2	STANDARDS	***
	5 2 6	2	REPLICATE	SINGLE
POS DIL.	FACTOR	2.00	DEVIATION	10%
CONC.	FACTOR	2.00	CORRECTION STD	NO
SAMPLE	CYCLE	1		
	VOLUME	20 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		
REAGENT	CYCLE	1		
	VOLUME	250 µL		
START R1	CYCLE	5		
	VOLUME	25 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		

* Standard value on label

** Data entered by operator

*** Standard values computed by the instrument

3. Order information

IGA/AUT-000 1 x 10 mL Antiserum
 5 x 25 mL Buffer
 MPP/STD-001 Pediatric Standard, 1 mL

APPLICATION NOTE

COBAS MIRA PLUS

IGG N-DIL (AUT-KIT)

1. Reagent preparation

Sample: Ready for use
 Reagent: Buffer, ready for use
 Start: Antiserum, ready for use
 Calibrator: Ready for use

2. Instrument setting

GENERAL			CALCULATION	
MEASUREMENT MODE		ABSORB	SAMPLE	LIMIT
REACTION MODE		D-R-S-SR1	REAC. DIRECTION	NO INCREASE
CALIBRATION MODE		LOGIT/LOG5		OFF
REAGENT BLANK		REAG/DIL	ANTIGEN	CHECK EXCESS
CLEANER		NO	CONVERS.	FACTOR
WAVELENGTH		340 nm		OFFSET
DECIMAL POSITION		1	TEST RANGE	LOW
UNIT		mg/dL		HIGH
			NORM. RANGE	LOW
				HIGH
			NUMBER OF STEPS	1
			CALC. STEP A	ENDPOINT
			READINGS	FIRST
				LAST
				20
ANALYSIS			CALIBRATION	
DILUENT	NAME	**	CALIB. INTERVAL	ON REQUEST
	FACTOR	NO		**
	TIME	NO	BLANK	
	STD	MAIN INDIRECT	REAG. RANGE	LOW
	MAIN STD	*	BLANK RANGE	HIGH
	POS	**		LOW
FACT. STD-	1	1	2	HIGH
	3	2	4	NO
	5	2	6	NO
POS	DIL.	FACTOR	2.00	NO
	CONC.	FACTOR	2.00	NO
SAMPLE		CYCLE	1	NO
		VOLUME	2 µL	NO
DILUENT		NAME	H2O	***
		VOLUME	10 µL	SINGLE
REAGENT		CYCLE	1	10%
		VOLUME	330 µL	NO
START R1		CYCLE	5	
		VOLUME	75 µL	
DILUENT		NAME	H2O	
		VOLUME	10 µL	

* Standard value on label

** Data entered by operator

*** Standard values computed by the instrument

3. Order 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, 1 mL

APPLICATION NOTE

COBAS MIRA PLUS

IgG N-DIL (LOW-KIT)

URINE, CSF

1. Reagent preparation

Sample: Ready for use
 Reagent: Buffer, ready for use
 Start: Antiserum, ready for use
 Calibrator: Ready for use

2. Instrument setting

GENERAL			CALCULATION	
MEASUREMENT MODE		ABSORB	SAMPLE	LIMIT
REACTION MODE		D-R-S-SR1	REAC. DIRECTION	NO INCREASE
CALIBRATION MODE		LOGIT/LOG5		CHECK OFF
REAGENT BLANK		REAG/DIL	ANTIGEN	EXCESS NO
CLEANER		NO	CONVERS.	FACTOR 1.000
WAVELLENGTH		340 nm		OFFSET 0.000
DECIMAL POSITION		2	TEST RANGE	LOW ON
UNIT		mg/L		HIGH ON
			NORM. RANGE	LOW NO
				HIGH NO
			NUMBER OF STEPS	1
			CALC. STEP A	ENDPOINT
			READINGS	FIRST 4
				LAST 20
ANALYSIS			CALIBRATION	
DILUENT	NAME	**	CALIB. INTERVAL	ON REQUEST
	FACTOR	NO		**
	TIME	NO	BLANK	
	STD	MAIN INDIRECT	REAG. RANGE	LOW NO
	MAIN STD	*	BLANK RANGE	HIGH NO
	POS	**		LOW NO
FACT. STD-	1 2 2	2		HIGH NO
	3 2 4	2	STANDARDS	***
	5 2 6	2	REPLICATE	SINGLE
POS DIL.	FACTOR	2.00	DEVIATION	10%
CONC.	FACTOR	2.00	CORRECTION STD	NO
SAMPLE	CYCLE	1		
	VOLUME	10 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		
REAGENT	CYCLE	1		
	VOLUME	150 µL		
START R1	CYCLE	5		
	VOLUME	30 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		

* Standard value on label

** Data entered by operator

*** Standard values computed by the instrument

3. Order information

IGG/LOW-000 1 x 5 mL Antiserum
 2 x 25 mL Buffer
 MPP/STD-001 Pediatric Standard, 1 mL

APPLICATION NOTE COBAS MIRA PLUS MICROALBUMIN N-DIL (AUT KIT)

1. Reagent preparation

Sample: Centrifuged urine
 Reagent: Buffer, ready for use
 Start: Antiserum, ready for use
 Calibrator: Ready for use

2. Instrument setting

GENERAL			CALCULATION	
MEASUREMENT MODE		ABSORB	SAMPLE	LIMIT
REACTION MODE		D-R-S-SR1	REAC. DIRECTION	NO INCREASE
CALIBRATION MODE		LOGIT/LOG5		OFF
REAGENT BLANK CLEANER		REAG/DIL	ANTIGEN CONVERS.	CHECK EXCESS FACTOR
WAVELENGTH		NO		NO
DECIMAL POSITION		340 nm	TEST RANGE	1.00000
UNIT		1		0.00000
		mg/L	NORM. RANGE	OFF
				ON
			NUMBER OF STEPS	LOW 0.0 mg/L
			CALC. STEP A	HIGH 25.0 mg/L
			READINGS	1
				ENDPOINT
			FIRST	4
			LAST	15
ANALYSIS			CALIBRATION	
DILUENT	NAME	**	CALIB. INTERVAL	ON REQUEST
	FACTOR	NO		**
	TIME	NO	BLANK	
	STD	MAIN INDIRECT	REAG. RANGE	LOW NO
	MAIN STD	*	BLANK RANGE	HIGH NO
	POS	**		LOW NO
FACT. STD-	1 1 2	2	STANDARDS	NO
	3 2 4	2	REPLICATE	***
	5 2 6	2	DEVIATION	SINGLE
POS DIL.	FACTOR	3.00	CORRECTION STD	NO
CONC.	FACTOR	NO		
SAMPLE	CYCLE	1		
	VOLUME	4 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		
REAGENT	CYCLE	1		
	VOLUME	160 µL		
START R1	CYCLE	5		
	VOLUME	30 µL		
DILUENT	NAME	H2O		
	VOLUME	10 µL		

* Standard value on label multiplied by dilution factor

** Data entered by operator

*** Standard values computed by the instrument

3. Order information

MAL/AUT-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
COBAS MIRA PLUS
TRANSFERRIN N-DIL (AUT-KIT)

1. Reagent preparation

Sample: Ready for use
Reagent: Buffer, ready for use
Start: Antiserum, ready for use
Calibrator: Ready for use

2 Instrument setting

<p>GENERAL</p> <p>Measurement mode ABSORB Reaction mode R-S-SR1 Calibration mode LOGIT/LOG5 Reagent blank NO BLANK Cleaner NO</p> <p>Wave length 340 nm Decimal position 1 Unit mg/dL</p>	<p>CALCULATION</p> <p>Sample limit NO Reaction direction INCREASE check OFF Antigen excess NO Conversion factor 1.00000 offset 0.00000 Test range low NO high NO Normal range low 170 high 340 mg/dL Number of steps 1 Calc. step A ENDPOINT Readings first : 4 Last : 25</p>
<p>ANALYSIS</p> <p>dilution name ** dilution factor NO time NO</p> <p>post dil. factor 2 conc. Factor NO</p> <p>SAMPLE Cycle : 1 Vol. : 2 µL Dil. name : H2O Vol. : 10 µL</p> <p>REAGENT Cycle : 1 Vol. : 220 µL</p> <p>START REAGENT Cycle : 5 Vol. : 20 µL Dilution name: H2O Vol. : 10 µL</p>	<p>CALIBRATION</p> <p>Calibr. interval on request</p> <p>Standard Nonlinear Cup pos. : ** 1 : 0.00 2 : STD1 3 : STD2 4 : STD3 5 : STD4 6 : STD5</p> <p>Replicate SINGLE Deviation NO Correction STD NO</p>

**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