

# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** ACID PHOS  
**Catalog # :** HA703

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: ACP                      ANALYZER CYCLE TIME: 10 SEC    DILUENT: 00311 0  
 TEST NAME: ACP                      ASSAY/TIME/POINT:  
 APP CODE: # User defined              WAVE (2<sup>ND</sup>/PRIMARY): --/415

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT
NORMAL:	20	20	R1: 350
DECREASE:	#	#	R2: 0
INCREASE:	#	#	R3: 0
			R4: 0
	CLASS 1	CLASS 2	DEC/INC
ABS. LIMIT:	0	0	INCREASE
PROZONE LIMIT: 0		0	LOWER

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: ACP                      CALIBRATION TYPE: LINEAR  
 POINT:                      SPAN POINT:                      WEIGHT: 0  
 AUTO CALIBRATION

BLANK:	TIME OUT	LOT: #	CHANGEOVER
0 HR			SD LIMIT: 0.1
SPAN:	0 HR	BOTTLE: #	DUPLICATE LIMIT: 10%    10000 ABS
2 POINT: 0 HR			SENSITIVITY RANGE: #    #
FULL:	0 HR		S1 ABS RANGE:

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: AC{                      REPORT NAME: ACP  
 DATA MODE: ON BOARD              TEST NAME: ACP  
 CTRL INTERVAL: 1000              UNIT: U/L                      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:			USE QUALITATIVE TABLE
AGE	MALE	FEMALE	
100 YEARS	0.0-9.0	-	(1) 2.999 <3.0
100 YEARS	-	-	(2) 0.0
	-	-	(3) 0.0
	-	-	(4) 0.0
			(5) 0.0
			(6) 0.0

DEFAULT RANGE: OVER 100 YEARS                      REPEAT RANGE: # - #  
 DEFAULT SEX: MALE                      CLASS 1 TECHNICAL RANGE: 0.0-35.0                      CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<STANDARD>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0.0					
POSITION:	#					
SAMPLE VOLUME:	20	20	20	20	20	20
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

# DENOTES A USER-DEFINED PARAMETER. INFORMATION IS SPECIFIC TO THE CHANNEL BEING USED, OR IT IS DETERMINED BY THE LABORATORY'S OWN PREFERENCE FOR OPERATION.  
 It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.  
 Rev.8-03

# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** ALBUMIN  
**Catalog # :** HA901-1400

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: ALB                      ANALYZER CYCLE TIME: 10 SEC      DILUENT: 00311 0  
 TEST NAME: ALB                      ASSAY/TIME/POINT: 1-POINT 10 5 0 0 0  
 APP CODE: # 702                      WAVE (2<sup>ND</sup>/PRIMARY): 700 600

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT	
NORMAL:	3	3		R1: 350
DECREASE:	#	#		R2: 0
INCREASE:	#	#		R3: 0
			R4: 0	
	CLASS 1	CLASS 2	DEC/INC	
ABS. LIMIT:	0	0	0	INCREASE
PROZONE LIMIT: 0		0		LOWER

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: ALB                      CALIBRATION TYPE: LINEAR  
 POINT: 2                      SPAN POINT: 2                      WEIGHT: 0  
 AUTO CALIBRATION

BLANK: 0 HR	TIME OUT	LOT: #	CHANGEOVER	
SPAN:	0 HR		BOTTLE: #	SD LIMIT: 0.1
2 POINT: 0 HR				DUPLICATE LIMIT: 10% 75 ABS
FULL:	0 HR			SENSITIVITY RANGE: # #
				S1 ABS RANGE: -1000 6000

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: ALB                      REPORT NAME: ALBUMIN  
 DATA MODE: ON BOARD                      TEST NAME: ALB  
 CTRL INTERVAL: 1000                      UNIT: G/DL                      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:	USE QUALITATIVE TABLE		
AGE	MALE	FEMALE	(1) 2.999 <3.0
100 YEARS	3.5-5.3	3.5-5.3	(2) 0.0
100 YEARS	3.5-5.3	3.5-5.3	(3) 0.0
	3.5-5.3	3.5-5.3	(4) 0.0
			(5) 0.0
			(6) 0.0

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE                      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 0.5-6.0 CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<b>&lt;STANDARD&gt;</b>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0.0	#				
POSITION:	#	#				
SAMPLE VOLUME:	3	3	3	3	3	3
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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 Rev.8-03



# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** ALT  
**Catalog # :** HA926-610

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: ALT                      ANALYZER CYCLE TIME: 10 SEC      DILUENT: 00311 0  
 TEST NAME: ALT                      ASSAY/TIME/POINT: RATE-A 10 20 31 0 0  
 APP CODE: # 706                      WAVE (2<sup>ND</sup>/PRIMARY): 700 340

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT	
NORMAL:	10	10		R1: 250
DECREASE:	#	#		R2: 0
INCREASE:	#	#		R3: 50
			R4: 0	
	CLASS 1	CLASS 2	DEC/INC	
ABS. LIMIT:	5500	5500	INCREASE	
PROZONE LIMIT: 0	0		LOWER	

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: ALT                      CALIBRATION TYPE: LINEAR  
 POINT: 1                      SPAN POINT: 1                      WEIGHT: 0  
 AUTO CALIBRATION

BLANK: 0 HR	TIME OUT	LOT: #	CHANGEOVER	SD LIMIT: 0.1
SPAN:	0 HR		BOTTLE: #	DUPLICATE LIMIT: 10% 100 ABS
2 POINT: 0 HR				SENSITIVITY RANGE: # #
FULL:	0 HR			S1 ABS RANGE: 8300 20000

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: ALT                      REPORT NAME: ALT  
 DATA MODE: ON BOARD                      TEST NAME: ALT  
 CTRL INTERVAL: 1000                      UNIT: U/L                      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:	USE QUALITATIVE TABLE		
AGE	MALE	FEMALE	(1) 2.999 <3.0
100 YEARS	4-36	4-36	(2) 0.0
100 YEARS	4-36	4-36	(3) 0.0
	4-36	4-36	(4) 0.0
			(5) 0.0
			(6) 0.0

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE                      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 0-700      CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<b>&lt;STANDARD&gt;</b>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0					
POSITION:	#					
SAMPLE VOLUME:	10	10	10	10	10	10
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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 Rev.8-03

# Pointe Scientific, Inc.

## Instrument Application

Analyzer: Hitachi 912  
 Test: AMMONIA  
 Catalog # : A7553

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: AMMON                      ANALYZER CYCLE TIME: 10 SEC    DILUENT: 00311 0  
 TEST NAME: AMMON                      ASSAY/TIME/POINT: 2-POINT 10 16 31 0 0  
 APP CODE: # User defined              WAVE (2<sup>ND</sup>/PRIMARY): 376 340

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT	
NORMAL:	40	40		R1: 230
DECREASE:	#	#		R2: 0
INCREASE:	#	#		R3: 10
			R4: 0	
	CLASS 1	CLASS 2	DEC/INC	
ABS. LIMIT:	5500	5500	INCREASE	
PROZONE LIMIT: 0	0		LOWER	

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: AMMON                      CALIBRATION TYPE: LINEAR  
 POINT: 2                      SPAN POINT: 2                      WEIGHT: 0  
 AUTO CALIBRATION

BLANK: 0 HR	TIME OUT	LOT: #	CHANGEOVER	SD LIMIT: 0.1
SPAN:	0 HR		BOTTLE: #	DUPLICATE LIMIT: 10%    100 ABS
2 POINT: 0 HR				SENSITIVITY RANGE: #    #
FULL:	0 HR			S1 ABS RANGE: -1500            3000

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: AMMON                      REPORT NAME: AMMONIA  
 DATA MODE: ON BOARD                      TEST NAME: AMMON  
 CTRL INTERVAL: 1000                      UNIT: UMOL/L                      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:	USE QUALITATIVE TABLE		
AGE	MALE	FEMALE	(1) 2.999 <3.0
100 YEARS	11-35	11-35	(2) 0.0
100 YEARS	11-35	11-35	(3) 0.0
	11-35	11-35	(4) 0.0
			(5) 0.0
			(6) 0.0

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE                      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 0-600    CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<b>&lt;STANDARD&gt;</b>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0.0	#				
POSITION:	#	#				
SAMPLE VOLUME:	40	40	40	40	40	40
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** AMYLASE  
**Catalog # :** HA965-324

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: AMY                      ANALYZER CYCLE TIME: 10 SEC      DILUENT: 00311 0  
 TEST NAME: AMY                      ASSAY/TIME/POINT: RATE-A 10 10 16 0 0  
 APP CODE: # 566                      WAVE (2<sup>ND</sup>/PRIMARY): 700 415

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT	
NORMAL:	6	6		R1: 250
DECREASE:	#	#		R2: 0
INCREASE:	#	#		R3: 50
			R4: 0	
	CLASS 1	CLASS 2	DEC/INC	
ABS. LIMIT:	13000	13000	INCREASE	
PROZONE LIMIT: 0	0		LOWER	

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: AMY                      CALIBRATION TYPE: LINEAR  
 POINT: 1                      SPAN POINT: 1                      WEIGHT: 0  
 AUTO CALIBRATION

BLANK: 0 HR	TIME OUT	LOT: #	CHANGEOVER	
SPAN:	0 HR		BOTTLE: #	SD LIMIT: 0.1
2 POINT: 0 HR				DUPLICATE LIMIT: 10% 100 ABS
FULL:	0 HR			SENSITIVITY RANGE: # #
				S1 ABS RANGE: 0 4900

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: AMY                      REPORT NAME: AMYLASE  
 DATA MODE: ON BOARD                      TEST NAME: AMY  
 CTRL INTERVAL: 1000                      UNIT: U/L                      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:	USE QUALITATIVE TABLE
AGE	(1) 2.999 <3.0
100 YEARS	(2) 0.0
100 YEARS	(3) 0.0
	(4) 0.0
	(5) 0.0
	(6) 0.0

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE                      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 0-2000 CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<b>&lt;STANDARD&gt;</b>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0					
POSITION:	#					
SAMPLE VOLUME:	6	6	6	6	6	6
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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 Rev.8-03



# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** AST  
**Catalog # :** HA961-610

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: AST                      ANALYZER CYCLE TIME: 10 SEC      DILUENT: 00311 0  
 TEST NAME: AST                      ASSAY/TIME/POINT: RATE-A 10 20 31 0 0  
 APP CODE: # 715                      WAVE (2<sup>ND</sup>/PRIMARY): 700 340

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT	
NORMAL:	10	10		R1: 250
DECREASE:	#	#		R2: 0
INCREASE:	#	#		R3: 50
			R4: 0	
	CLASS 1	CLASS 2	DEC/INC	
ABS. LIMIT:	5500	5500	INCREASE	
PROZONE LIMIT: 0	0		LOWER	

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: AST                      CALIBRATION TYPE: LINEAR  
 POINT: 1                      SPAN POINT: 1                      WEIGHT: 0  
 AUTO CALIBRATION

BLANK: 0 HR	TIME OUT	LOT: #	CHANGEOVER	SD LIMIT: 0.1
SPAN:	0 HR		BOTTLE: #	DUPLICATE LIMIT: 10%      100 ABS
2 POINT: 0 HR				SENSITIVITY RANGE: #      #
FULL:	0 HR			S1 ABS RANGE: 8300              20000

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: AST                      REPORT NAME: AST  
 DATA MODE: ON BOARD              TEST NAME: AST  
 CTRL INTERVAL: 1000              UNIT: U/L                      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:	USE QUALITATIVE TABLE
AGE	(1) 2.999 <3.0
100 YEARS	(2) 0.0
100 YEARS	(3) 0.0
	(4) 0.0
	(5) 0.0
	(6) 0.0

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE                      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 0-700      CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<b>&lt;STANDARD&gt;</b>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0					
POSITION:	#					
SAMPLE VOLUME:	10	10	10	10	10	10
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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 Rev. 8-03



# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** UREA NITROGEN  
**Catalog # :** HB952-1020

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: UN      ANALYZER CYCLE TIME: 10 SEC      DILUENT: 00311 0  
 TEST NAME: UN      ASSAY/TIME/POINT: 2-POINT 10 19 24 0 0  
 APP CODE: #      WAVE (2<sup>ND</sup>/PRIMARY): 376 340

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT
NORMAL:	3	3	R1: 250
DECREASE:	#	#	R2: 0
INCREASE:	#	#	R3: 150
			R4: 0
	CLASS 1	CLASS 2	DEC/INC
ABS. LIMIT:	7000	7000	INCREASE
PROZONE LIMIT: 0	0	0	LOWER

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: UN      CALIBRATION TYPE: LINEAR  
 POINT: 2      SPAN POINT: 2      WEIGHT: 0  
 AUTO CALIBRATION

BLANK:	TIME OUT	LOT: #	CHANGEOVER
0 HR			SD LIMIT: 0.1
SPAN:	0 HR	BOTTLE: #	DUPLICATE LIMIT: 10% 100 ABS
2 POINT: 0 HR			SENSITIVITY RANGE: # #
FULL:	0 HR		S1 ABS RANGE: 0 20000

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: UN      REPORT NAME: UREA NITROGEN  
 DATA MODE: ON BOARD      TEST NAME: UN  
 CTRL INTERVAL: 1000      UNIT: MG/DL      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:			USE QUALITATIVE TABLE
AGE	MALE	FEMALE	
100 YEARS	7-18	7-18	(1) 2.999 <3.0
100 YEARS	7-18	7-18	(2) 0.0
	7-18	7-18	(3) 0.0
	7-18	7-18	(4) 0.0
			(5) 0.0
			(6) 0.0

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 0.0-150.0      CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<STANDARD>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0	#				
POSITION:	#	#				
SAMPLE VOLUME:	3	3	3	3	3	3
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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 Rev.8-03



# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** CALCIUM  
**Catalog # :** HC902-1000

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: CA	ANALYZER CYCLE TIME: 10 SEC	DILUENT: 00311 0
TEST NAME: CA	ASSAY/TIME/POINT: 2-POINT 10 31 0 0 0	
APP CODE: # 180	WAVE (2 <sup>ND</sup> /PRIMARY): 700 600	
SAMPLE VOLUME	CLASS 1	CLASS 2
NORMAL:	3	3
DECREASE:	#	#
INCREASE:	#	#
		REAGENT
		R1: 250
		R2: 0
		R3: 100
		R4: 0
	CLASS 1	CLASS 2
ABS. LIMIT:	0	0
PROZONE LIMIT: 0	0	0
		DEC/INC
		0
		INCREASE
		LOWER

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: CA	CALIBRATION TYPE: LINEAR	
POINT: 2	SPAN POINT: 2	WEIGHT: 0
AUTO CALIBRATION		
	TIME OUT	CHANGEOVER
BLANK: 0 HR	LOT: #	SD LIMIT: 0.1
SPAN:	0 HR	BOTTLE: #
2 POINT: 0 HR		DUPLICATE LIMIT: 10% 100 ABS
FULL:	0 HR	SENSITIVITY RANGE: # #
		S1 ABS RANGE: 0 7000

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: CA	REPORT NAME: CALCIUM
DATA MODE: ON BOARD	TEST NAME: CA
CTRL INTERVAL: 1000	UNIT: MG/DL
SELECT SAMPLE TYPE: SER/PL	INSTR. FACTOR: A = 1.0 B = 0.0
EXPECTED RANGES:	
AGE	MALE
100 YEARS	8.5-10.4
100 YEARS	8.5-10.4
	8.5-10.4
	8.5-10.4
DEFAULT RANGE: OVER 100 YEARS	
DEFAULT SEX: MALE	
CLASS 1 TECHNICAL RANGE: 0.0-15.0	
	USE QUALITATIVE TABLE
	(1) 2.999 <3.0
	(2) 0.0
	(3) 0.0
	(4) 0.0
	(5) 0.0
	(6) 0.0
	REPEAT RANGE: # - #
	CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<STANDARD>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0.0	#				
POSITION:	#	#				
SAMPLE VOLUME:	3	3	3	3	3	3
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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 Rev.8-03

# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** CHOLESTEROL  
**Catalog # :** HC910-1000

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: CHOL                      ANALYZER CYCLE TIME: 10 SEC    DILUENT: 00311 0  
 TEST NAME: CHOL                      ASSAY/TIME/POINT: 1-POINT 10 31 0 0 0  
 APP CODE: # 722                      WAVE (2<sup>ND</sup>/PRIMARY): 700 505

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT	
NORMAL:	3	3		R1: 250
DECREASE:	#	#		R2: 0
INCREASE:	#	#		R3: 0
			R4: 0	
ABS. LIMIT:	CLASS 1	CLASS 2	DEC/INC	
	0	0	0	INCREASE
PROZONE LIMIT: 0		0	LOWER	

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: CHOL                      CALIBRATION TYPE: LINEAR  
 POINT: 2                      SPAN POINT: 2                      WEIGHT: 0  
 AUTO CALIBRATION

BLANK: 0 HR	TIME OUT	LOT: #	CHANGEOVER	
SPAN:	0 HR		BOTTLE: #	SD LIMIT: 0.1
2 POINT: 0 HR				DUPLICATE LIMIT: 10% 200 ABS
FULL:	0 HR			SENSITIVITY RANGE: # #
				S1 ABS RANGE: 0 4000

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: CHOL                      REPORT NAME: CHOLESTEROL  
 DATA MODE: ON BOARD                      TEST NAME: CHOL  
 CTRL INTERVAL: 1000                      UNIT: MG/DL                      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:	USE QUALITATIVE TABLE
AGE	(1) 2.999 <3.0
100 YEARS	(2) 0.0
100 YEARS	(3) 0.0
	(4) 0.0
	(5) 0.0
	(6) 0.0

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE                      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 0-700    CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<b>&lt;STANDARD&gt;</b>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0	#				
POSITION:	#	#				
SAMPLE VOLUME:	3	3	3	3	3	3
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

# DENOTES A USER-DEFINED PARAMETER. INFORMATION IS SPECIFIC TO THE CHANNEL BEING USED, OR IT IS DETERMINED BY THE LABORATORY'S OWN PREFERENCE FOR OPERATION.  
 It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.  
 Rev.8-03

# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** CO2  
**Catalog # :** HC704

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: CO2                      ANALYZER CYCLE TIME: 10 SEC      DILUENT: 00311 0  
 TEST NAME: CO2                      ASSAY/TIME/POINT:  
 APP CODE: # User defined              WAVE (2<sup>ND</sup>/PRIMARY): 376 340

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT	
NORMAL:	3	3		R1: 300
DECREASE:	#	#		R2: 0
INCREASE:	#	#		R3: 0
				R4: 0

CLASS 1 CLASS 2 DEC/INC

ABS. LIMIT:                              INCREASE  
 PROZONE LIMIT: 0                      0                      LOWER

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: CO2                      CALIBRATION TYPE: LINEAR  
 POINT:                      SPAN POINT:                      WEIGHT: 0  
 AUTO CALIBRATION

BLANK:	TIME OUT	LOT: #	CHANGEOVER	
0 HR				SD LIMIT: 0.1
SPAN:	0 HR		BOTTLE: #	DUPLICATE LIMIT: 10% 200 ABS
2 POINT: 0 HR				SENSITIVITY RANGE: # #
FULL:	0 HR			S1 ABS RANGE:

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: CO2                      REPORT NAME: CO2  
 DATA MODE: ON BOARD              TEST NAME: CO2  
 CTRL INTERVAL: 1000              UNIT: MEQ/L                      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:			USE QUALITATIVE TABLE
AGE	MALE	FEMALE	
100 YEARS	23-34	23-34	(1) 2.999 <3.0
100 YEARS	23-34	23-34	(2) 0.0
	23-34	23-34	(3) 0.0
	23-34	23-34	(4) 0.0
			(5) 0.0
			(6) 0.0

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE                      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 0-40      CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<STANDARD>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0	#				
POSITION:	#	#				
SAMPLE VOLUME:	3	3	3	3	3	3
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

# DENOTES A USER-DEFINED PARAMETER. INFORMATION IS SPECIFIC TO THE CHANNEL BEING USED, OR IT IS DETERMINED BY THE LABORATORY'S OWN PREFERENCE FOR OPERATION.  
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 Rev.8-03

# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** CREATINE KINASE  
**Catalog # :** HC922-250

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: CK      ANALYZER CYCLE TIME: 10 SEC      DILUENT: 00311 0  
 TEST NAME: CK      ASSAY/TIME/POINT: 2-POINT 10 9 15 0 0  
 APP CODE: # 726      WAVE (2<sup>ND</sup>/PRIMARY): 376 340

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT
NORMAL:	6	6	R1: 250
DECREASE:	#	#	R2: 0
INCREASE:	#	#	R3: 50
			R4: 0
	CLASS 1	CLASS 2	DEC/INC
ABS. LIMIT:	20000	20000	INCREASE
PROZONE LIMIT: 0	0	0	LOWER

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: CK      CALIBRATION TYPE: LINEAR  
 POINT: 1      SPAN POINT: 1      WEIGHT: 0  
 AUTO CALIBRATION

BLANK:	TIME OUT	LOT: #	CHANGEOVER
0 HR			SD LIMIT: 0.1
SPAN:	0 HR	BOTTLE: #	DUPLICATE LIMIT: 10% 100 ABS
2 POINT: 0 HR			SENSITIVITY RANGE: # #
FULL:	0 HR		S1 ABS RANGE: 0 6500

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: CK      REPORT NAME: CREATINE KINASE  
 DATA MODE: ON BOARD      TEST NAME: CK  
 CTRL INTERVAL: 1000      UNIT: U/L      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:			USE QUALITATIVE TABLE
AGE	MALE	FEMALE	
100 YEARS	0-160	0-130	(1) 2.999 <3.0
100 YEARS	0-160	0-130	(2) 0.0
	0-160	0-130	(3) 0.0
	0-160	0-130	(4) 0.0
			(5) 0.0
			(6) 0.0

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 0-1500      CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<STANDARD>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0					
POSITION:	#					
SAMPLE VOLUME:	6	6	6	6	6	6
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

# DENOTES A USER-DEFINED PARAMETER. INFORMATION IS SPECIFIC TO THE CHANNEL BEING USED, OR IT IS DETERMINED BY THE LABORATORY'S OWN PREFERENCE FOR OPERATION.  
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 Rev.8-03

# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** CREATININE  
**Catalog # :** HC939-1340

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: CREA                      ANALYZER CYCLE TIME: 10 SEC    DILUENT: 00311 0  
 TEST NAME: CREA                      ASSAY/TIME/POINT: 2-POINT 10 20 23 0 0  
 APP CODE: # 727                      WAVE (2<sup>ND</sup>/PRIMARY): 570 505

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT	
NORMAL:	10	10		R1: 250
DECREASE:	#	#		R2: 0
INCREASE:	#	#		R3: 50
			R4: 0	
	CLASS 1	CLASS 2	DEC/INC	
ABS. LIMIT:	4500	4500	INCREASE	
PROZONE LIMIT: 0	0		LOWER	

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: CREA                      CALIBRATION TYPE: LINEAR  
 POINT: 2                      SPAN POINT: 2                      WEIGHT: 0  
 AUTO CALIBRATION

BLANK: 0 HR	TIME OUT	LOT: #	CHANGEOVER	SD LIMIT: 0.1
SPAN:	0 HR		BOTTLE: #	DUPLICATE LIMIT: 10% 10 ABS
2 POINT: 0 HR				SENSITIVITY RANGE: # #
FULL:	0 HR			S1 ABS RANGE: -100 4000

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: CREA                      REPORT NAME: CREATININE  
 DATA MODE: ON BOARD                      TEST NAME: CREA  
 CTRL INTERVAL: 1000                      UNIT: MG/DL                      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:	USE QUALITATIVE TABLE		
AGE	MALE	FEMALE	(1) 2.999 <3.0
100 YEARS	0.4-1.4	0.4-1.4	(2) 0.0
100 YEARS	0.4-1.4	0.4-1.4	(3) 0.0
	0.4-1.4	0.4-1.4	(4) 0.0
			(5) 0.0
			(6) 0.0

DEFAULT RANGE: OVER 100 YEARS                      REPEAT RANGE: # - #  
 DEFAULT SEX: MALE                      CLASS 2 TECHNICAL RANGE: -99999 -99999  
 CLASS 1 TECHNICAL RANGE: 0.0-15.0

-----APPLICATION SCREEN, OTHERS WINDOW-----

<b>&lt;STANDARD&gt;</b>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0.0	#				
POSITION:	#	#				
SAMPLE VOLUME:	10	10	10	10	10	10
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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 Rev.8-03





# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** GLUCOSE  
**Catalog # :** HG921-1000

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: GLU                      ANALYZER CYCLE TIME: 10 SEC      DILUENT: 00311 0  
 TEST NAME: GLU                      ASSAY/TIME/POINT: 2-POINT 10 31 0 0 0  
 APP CODE: # User defined              WAVE (2<sup>ND</sup>/PRIMARY): 700 505

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT	
NORMAL:	3	3		R1: 300
DECREASE:	#	#		R2: 0
INCREASE:	#	#		R3: 0
			R4: 0	
	CLASS 1	CLASS 2	DEC/INC	
ABS. LIMIT:	0	0	0	INCREASE
PROZONE LIMIT: 0		0		LOWER

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: GLU                      CALIBRATION TYPE: LINEAR  
 POINT: 2                      SPAN POINT: 2                      WEIGHT: 0  
 AUTO CALIBRATION

BLANK: 0 HR	TIME OUT	LOT: #	CHANGEOVER	SD LIMIT: 0.1
SPAN:	0 HR		BOTTLE: #	DUPLICATE LIMIT: 10% 250 ABS
2 POINT: 0 HR				SENSITIVITY RANGE: # #
FULL:	0 HR			S1 ABS RANGE: 0 4700

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: GLU                      REPORT NAME: GLUCOSE  
 DATA MODE: ON BOARD              TEST NAME: GLU  
 CTRL INTERVAL: 1000              UNIT: MG/DL                      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:	USE QUALITATIVE TABLE
AGE	(1) 2.999 <3.0
100 YEARS	(2) 0.0
100 YEARS	(3) 0.0
	(4) 0.0
	(5) 0.0
	(6) 0.0

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE                      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 0-500      CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<b>&lt;STANDARD&gt;</b>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0	#				
POSITION:	#	#				
SAMPLE VOLUME:	3	3	3	3	3	3
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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 Rev.8-03

# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** GLUCOSE  
**Catalog # :** HG920-1200

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: GLU                      ANALYZER CYCLE TIME: 10 SEC      DILUENT: 00311 0  
 TEST NAME: GLU                      ASSAY/TIME/POINT: 2-POINT 10 31 0 0 0  
 APP CODE: # 767                      WAVE (2<sup>ND</sup>/PRIMARY): 700 340

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT	
NORMAL:	3	3		R1: 300
DECREASE:	#	#		R2: 0
INCREASE:	#	#		R3: 50
			R4: 0	
	CLASS 1	CLASS 2	DEC/INC	
ABS. LIMIT:	0	0	0	INCREASE
PROZONE LIMIT: 0		0	LOWER	

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: GLU                      CALIBRATION TYPE: LINEAR  
 POINT: 2                      SPAN POINT: 2                      WEIGHT: 0  
 AUTO CALIBRATION

BLANK: 0 HR	TIME OUT	LOT: #	CHANGEOVER	
SPAN:	0 HR		BOTTLE: #	SD LIMIT: 0.1
2 POINT: 0 HR				DUPLICATE LIMIT: 10% 250 ABS
FULL:	0 HR			SENSITIVITY RANGE: # #
				S1 ABS RANGE: 0 4700

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: GLU                      REPORT NAME: GLUCOSE  
 DATA MODE: ON BOARD                      TEST NAME: GLU  
 CTRL INTERVAL: 1000                      UNIT: MG/DL                      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:	USE QUALITATIVE TABLE
AGE	(1) 2.999 <3.0
100 YEARS	(2) 0.0
100 YEARS	(3) 0.0
	(4) 0.0
	(5) 0.0
	(6) 0.0

MALE                      FEMALE  
 65-110                      65-110  
 65-110                      65-110  
 65-110                      65-110

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE                      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 0-500      CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<b>&lt;STANDARD&gt;</b>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0	#				
POSITION:	#	#				
SAMPLE VOLUME:	3	3	3	3	3	3
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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 Rev.8-03

# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** TOTAL IRON  
**Catalog # :** HI904-600

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: IRON                      ANALYZER CYCLE TIME: 10 SEC    DILUENT: 00311 0  
 TEST NAME: IRON                      ASSAY/TIME/POINT: 2-POINT 10 16 31 0 0  
 APP CODE: # User defined              WAVE (2<sup>ND</sup>/PRIMARY): 700 570

SAMPLE VOLUME		CLASS 1	CLASS 2	REAGENT	
NORMAL:		20	20		R1: 250
DECREASE:		#	#		R2: 0
INCREASE:		#	#		R3: 50
				R4: 0	
		CLASS 1	CLASS 2	DEC/INC	
ABS. LIMIT:		0	0	0	INCREASE
PROZONE LIMIT:	0		0		LOWER

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: IRON                      CALIBRATION TYPE: LINEAR  
 POINT: 2                      SPAN POINT: 2                      WEIGHT: 0  
 AUTO CALIBRATION

BLANK: 0 HR	TIME OUT	LOT: #	CHANGEOVER	SD LIMIT: 0.1
SPAN:	0 HR		BOTTLE: #	DUPLICATE LIMIT: 10% 200 ABS
2 POINT: 0 HR				SENSITIVITY RANGE: # #
FULL:	0 HR			S1 ABS RANGE: 0 2000

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: IRON                      REPORT NAME: TOTAL IRON  
 DATA MODE: ON BOARD                      TEST NAME: IRON  
 CTRL INTERVAL: 1000                      UNIT: UG/DL                      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:			USE QUALITATIVE TABLE
AGE	MALE	FEMALE	(1) 2.999 <3.0
100 YEARS	60-150	60-150	(2) 0.0
100 YEARS	60-150	60-150	(3) 0.0
	60-150	60-150	(4) 0.0
			(5) 0.0
			(6) 0.0

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE                      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 0-700    CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<STANDARD>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0	#				
POSITION:	#	#				
SAMPLE VOLUME:	20	20	20	20	20	20
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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 Rev.8-03







# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** LIPASE  
**Catalog # :** L7503

-----APPLICATION SCREEN, ANALYZE WINDOW-----

```

SELECT TEST: LIP      ANALYZER CYCLE TIME: 10 SEC  DILUENT: 00311  0
TEST NAME: LIP      ASSAY/TIME/POINT: 2-POINT  10 28 31 0 0
APP CODE: # User defined      WAVE (2ND/PRIMARY): 660  546

SAMPLE VOLUME CLASS 1 CLASS 2      REAGENT
NORMAL:          3          3          R1: 195
DECREASE:        #          #          R2: 0
INCREASE:        #          #          R3: 65
                                           R4: 0

CLASS 1 CLASS 2 DEC/INC
ABS. LIMIT:      10000      10000      INCREASE
PROZONE LIMIT:  0          0          LOWER
  
```

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

```

SELECT TEST: LIP      CALIBRATION TYPE: LINEAR
POINT: 2      SPAN POINT: 2      WEIGHT: 0
AUTO CALIBRATION

TIME OUT      CHANGEOVER
BLANK: 0 HR      LOT: #      SD LIMIT: 0.1
SPAN: 0 HR      BOTTLE: #      DUPLICATE LIMIT: 10%  1000 ABS
2 POINT: 0 HR      SENSITIVITY RANGE: #  #
FULL: 0 HR      S1 ABS RANGE: 0      2000
  
```

-----APPLICATION SCREEN, RANGE WINDOW-----

```

SELECT TEST: LIP      REPORT NAME: LIPASE
DATA MODE: ON BOARD      TEST NAME: LIP
CTRL INTERVAL: 1000      UNIT: U/L      INSTR. FACTOR: A = 1.0 B = 0.0
SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:      USE QUALITATIVE TABLE
AGE      MALE      FEMALE      (1) 2.999 <3.0
100 YEARS      0-62      0-62      (2) 0.0
100 YEARS      0-62      0-62      (3) 0.0
              0-62      0-62      (4) 0.0
              (5) 0.0
              (6) 0.0
DEFAULT RANGE: OVER 100 YEARS
DEFAULT SEX: MALE      REPEAT RANGE: # - #
CLASS 1 TECHNICAL RANGE: 0-650  CLASS 2 TECHNICAL RANGE: -99999 -99999
  
```

-----APPLICATION SCREEN, OTHERS WINDOW-----

<STANDARD>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0	#				
POSITION:	#	#				
SAMPLE VOLUME:	3	3	3	3	3	3
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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 Rev.8-03



# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** MICROALBUMIN  
**Catalog # :** M7562-100

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: u-ALB                      ANALYZER CYCLE TIME: 10 SEC    DILUENT: 00311 0  
 TEST NAME: u-ALB                      ASSAY/TIME/POINT: 2-POINT 10 16 31 0 0  
 APP CODE: # User defined              WAVE (2<sup>ND</sup>/PRIMARY): 700 340

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT	
NORMAL:	10	10		R1: 300
DECREASE:	#	#		R2: 0
INCREASE:	#	#		R3: 100
			R4: 0	
	CLASS 1	CLASS 2	DEC/INC	
ABS. LIMIT:	32000	32000	INCREASE	
PROZONE LIMIT:	-32000	-32000	LOWER	

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: u-ALB                      CALIBRATION TYPE: NONLINEAR  
 POINT: 6                      SPAN POINT: 6                      WEIGHT: 0  
 AUTO CALIBRATION

BLANK: 0 HR	TIME OUT	LOT: #	CHANGEOVER	SD LIMIT: 100
SPAN:	0 HR		BOTTLE: #	DUPLICATE LIMIT: 10%    10000 ABS
2 POINT: 0 HR				SENSITIVITY RANGE: #    #
FULL:	0 HR			S1 ABS RANGE: -32000            32000

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: u-ALB                      REPORT NAME: MICROALBUMIN  
 DATA MODE: ON BOARD                      TEST NAME: u-ALB  
 CTRL INTERVAL: 1000                      UNIT: MG/DL                      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: URINE

EXPECTED RANGES:	USE QUALITATIVE TABLE		
AGE	MALE	FEMALE	(1) 2.999 <3.0
100 YEARS	0.0-2.1	0.0-2.1	(2) 0.0
100 YEARS	0.0-2.1	0.0-2.1	(3) 0.0
	0.0-2.1	0.0-2.1	(4) 0.0
			(5) 0.0
			(6) 0.0

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE                      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 0.5-30.0                      CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<b>&lt;STANDARD&gt;</b>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0.0	#				
POSITION:	#	#				
SAMPLE VOLUME:	10	10	10	10	10	10
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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It is recommended that two levels of control material be assayed daily.

# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** MICROPROTEIN  
**Catalog # :** HP782-400

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: MIPRO                      ANALYZER CYCLE TIME: 10 SEC    DILUENT: 00311 0  
 TEST NAME: MIPRO                      ASSAY/TIME/POINT: 1-POINT 10 31 0 0 0  
 APP CODE: # User defined              WAVE (2<sup>ND</sup>/PRIMARY): 700 600

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT	
NORMAL:	3	3		R1: 300
DECREASE:	#	#		R2: 0
INCREASE:	#	#		R3: 0
			R4: 0	
	CLASS 1	CLASS 2	DEC/INC	
ABS. LIMIT:	0	0	0	INCREASE
PROZONE LIMIT: 0		0		LOWER

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: MIPRO                      CALIBRATION TYPE: LINEAR  
 POINT: 2                      SPAN POINT: 2                      WEIGHT: 0  
 AUTO CALIBRATION

BLANK: 0 HR	TIME OUT	LOT: #	CHANGEOVER	SD LIMIT: 0.1
SPAN:	0 HR		BOTTLE: #	DUPLICATE LIMIT: 10% 100 ABS
2 POINT: 0 HR				SENSITIVITY RANGE: # #
FULL:	0 HR			S1 ABS RANGE: 0 7000

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: MIPRO                      REPORT NAME: MICROPROTEIN  
 DATA MODE: ON BOARD                      TEST NAME: MIPRO  
 CTRL INTERVAL: 1000                      UNIT: MG/DAY                      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: URINE

EXPECTED RANGES:	USE QUALITATIVE TABLE		
AGE	MALE	FEMALE	(1) 2.999 <3.0
100 YEARS	28-141	28-141	(2) 0.0
100 YEARS	28-141	28-141	(3) 0.0
	28-141	28-141	(4) 0.0
			(5) 0.0
			(6) 0.0

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE                      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 0-250    CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<b>&lt;STANDARD&gt;</b>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0					
POSITION:	#					
SAMPLE VOLUME:	3	3	3	3	3	3
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** PHOSPHORUS  
**Catalog # :** HP916-1200

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: PHOS                      ANALYZER CYCLE TIME: 10 SEC      DILUENT: 00311 0  
 TEST NAME: PHOS                      ASSAY/TIME/POINT: 2-POINT 10 15 25 0 0  
 APP CODE: # 748                      WAVE (2<sup>ND</sup>/PRIMARY): 700 340

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT	
NORMAL:	5	5		R1: 250
DECREASE:	#	#		R2: 0
INCREASE:	#	#		R3: 100
			R4: 0	
	CLASS 1	CLASS 2	DEC/INC	
ABS. LIMIT:	0	0	INCREASE	
PROZONE LIMIT:	-32000	-32000	LOWER	

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: PHOS                      CALIBRATION TYPE: LINEAR  
 POINT: 2                      SPAN POINT: 2                      WEIGHT: 0  
 AUTO CALIBRATION

BLANK: 0 HR	TIME OUT	LOT: #	CHANGEOVER	SD LIMIT: 0.1
SPAN:	0 HR		BOTTLE: #	DUPLICATE LIMIT: 10% 200 ABS
2 POINT: 0 HR				SENSITIVITY RANGE: # #
FULL:	0 HR			S1 ABS RANGE: -1000 3000

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: PHOS                      REPORT NAME: PHOSPHORUS  
 DATA MODE: ON BOARD                      TEST NAME: PHOS  
 CTRL INTERVAL: 1000                      UNIT: MG/DL                      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:	USE QUALITATIVE TABLE
AGE	(1) 2.999 <3.0
100 YEARS	(2) 0.0
100 YEARS	(3) 0.0
	(4) 0.0
	(5) 0.0
	(6) 0.0
DEFAULT RANGE: OVER 100 YEARS	REPEAT RANGE: # - #
DEFAULT SEX: MALE	CLASS 2 TECHNICAL RANGE: -99999 -99999
CLASS 1 TECHNICAL RANGE: 0.0-12.0	

-----APPLICATION SCREEN, OTHERS WINDOW-----

<b>&lt;STANDARD&gt;</b>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0.0	#				
POSITION:	#	#				
SAMPLE VOLUME:	5	5	5	5	5	5
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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 Rev.8-03

# Pointe Scientific, Inc.

## Instrument Application

Analyzer: Hitachi 912  
 Test: RF  
 Catalog # : R7568

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: RF      ANALYZER CYCLE TIME: 10 SEC      DILUENT: 00311 0  
 TEST NAME: RF      ASSAY/TIME/POINT:  
 APP CODE: # User defined      WAVE (2<sup>ND</sup>/PRIMARY): 700 340

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT	
NORMAL:	3	3		R1: 250
DECREASE:	#	#		R2: 0
INCREASE:	#	#		R3: 50
			R4: 0	
ABS. LIMIT:			INCREASE	
PROZONE LIMIT:			LOWER	

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: RF      CALIBRATION TYPE: SPLINE  
 POINT:      SPAN POINT:      WEIGHT: 0  
 AUTO CALIBRATION

BLANK:	TIME OUT	LOT: #	CHANGEOVER	
0 HR				SD LIMIT: 0.1
SPAN:	0 HR		BOTTLE: #	DUPLICATE LIMIT: 10% 10000 ABS
2 POINT: 0 HR				SENSITIVITY RANGE: # #
FULL:	0 HR			S1 ABS RANGE:

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: RF      REPORT NAME: RF  
 DATA MODE: ON BOARD      TEST NAME: RF  
 CTRL INTERVAL: 1000      UNIT: U/ML      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:			USE QUALITATIVE TABLE
AGE	MALE	FEMALE	
100 YEARS	0-10	0-10	(1) 2.999 <3.0
100 YEARS	0-10	0-10	(2) 0.0
	0-10	0-10	(3) 0.0
	0-10	0-10	(4) 0.0
			(5) 0.0
			(6) 0.0

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 0-300      CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<STANDARD>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0	#				
POSITION:	#	#				
SAMPLE VOLUME:	3	3	3	3	3	3
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** TOTAL PROTEIN  
**Catalog # :** HT928-1200

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: TP      ANALYZER CYCLE TIME: 10 SEC      DILUENT: 00311 0  
 TEST NAME: TP      ASSAY/TIME/POINT: 2-POINT 10 16 31 0 0  
 APP CODE: # 757      WAVE (2<sup>ND</sup>/PRIMARY): 700 570

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT
NORMAL:	3	3	R1: 250
DECREASE:	#	#	R2: 0
INCREASE:	#	#	R3: 100
			R4: 0
	CLASS 1	CLASS 2	DEC/INC
ABS. LIMIT:	0	0	INCREASE
PROZONE LIMIT: -32000	-32000	-32000	LOWER

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: TP      CALIBRATION TYPE: LINEAR  
 POINT: 2      SPAN POINT: 2      WEIGHT: 0  
 AUTO CALIBRATION

BLANK:	TIME OUT	LOT: #	CHANGEOVER
0 HR			SD LIMIT: 0.1
SPAN:	0 HR	BOTTLE: #	DUPLICATE LIMIT: 10% 100 ABS
2 POINT: 0 HR			SENSITIVITY RANGE: # #
FULL:	0 HR		S1 ABS RANGE: -1000 4000

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: TP      REPORT NAME: TOTAL PROTEIN  
 DATA MODE: ON BOARD      TEST NAME: TP  
 CTRL INTERVAL: 1000      UNIT: G/DL      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:			USE QUALITATIVE TABLE
AGE	MALE	FEMALE	(1) 2.999 <3.0
100 YEARS	6.2-8.5	6.2-8.5	(2) 0.0
100 YEARS	6.2-8.5	6.2-8.5	(3) 0.0
	6.2-8.5	6.2-8.5	(4) 0.0
			(5) 0.0
			(6) 0.0

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 1.0-15.0      CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<STANDARD>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0.0	#				
POSITION:	#	#				
SAMPLE VOLUME:	3	3	3	3	3	3
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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 Rev.8-03

# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** TRIGLYCERIDES  
**Catalog # :** HT932-1000

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: TRIG                      ANALYZER CYCLE TIME: 10 SEC      DILUENT: 00311 0  
 TEST NAME: TRIG                      ASSAY/TIME/POINT: 1-POINT 10 31 0 0 0  
 APP CODE: # 781                      WAVE (2<sup>ND</sup>/PRIMARY): 700 505

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT	
NORMAL:	3	3		R1: 300
DECREASE:	#	#		R2: 0
INCREASE:	#	#		R3: 0
			R4: 0	
	CLASS 1	CLASS 2	DEC/INC	
ABS. LIMIT:	0	0	0	INCREASE
PROZONE LIMIT: 0		0	LOWER	

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: TRIG                      CALIBRATION TYPE: LINEAR  
 POINT: 2                      SPAN POINT: 2                      WEIGHT: 0  
 AUTO CALIBRATION

BLANK: 0 HR	TIME OUT	LOT: #	CHANGEOVER	
SPAN:	0 HR		BOTTLE: #	SD LIMIT: 0.1
2 POINT: 0 HR				DUPLICATE LIMIT: 10% 200 ABS
FULL:	0 HR			SENSITIVITY RANGE: # #
				S1 ABS RANGE: 0 4300

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: TRIG                      REPORT NAME: TRIGLYCERIDES  
 DATA MODE: ON BOARD                      TEST NAME: TRIG  
 CTRL INTERVAL: 1000                      UNIT: MG/DL                      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:	USE QUALITATIVE TABLE
AGE	(1) 2.999 <3.0
100 YEARS	(2) 0.0
100 YEARS	(3) 0.0
	(4) 0.0
	(5) 0.0
	(6) 0.0

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE                      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 0-1000      CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<b>&lt;STANDARD&gt;</b>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0	#				
POSITION:	#	#				
SAMPLE VOLUME:	3	3	3	3	3	3
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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 Rev.8-03

# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** URIC ACID  
**Catalog # :** HU982-615

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: UA      ANALYZER CYCLE TIME: 10 SEC      DILUENT: 00311 0  
 TEST NAME: UA      ASSAY/TIME/POINT: 2-POINT 10 31 0 0 0  
 APP CODE: # 700      WAVE (2<sup>ND</sup>/PRIMARY): 700 505

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT
NORMAL:	8	8	R1: 250
DECREASE:	#	#	R2: 0
INCREASE:	#	#	R3: 50
			R4: 0
	CLASS 1	CLASS 2	DEC/INC
ABS. LIMIT:	0	0	INCREASE
PROZONE LIMIT: 0		0	LOWER

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: UA      CALIBRATION TYPE: LINEAR  
 POINT: 2      SPAN POINT: 2      WEIGHT: 0  
 AUTO CALIBRATION

BLANK:	TIME OUT	LOT: #	CHANGEOVER
0 HR			SD LIMIT: 0.1
SPAN:	0 HR	BOTTLE: #	DUPLICATE LIMIT: 10% 100 ABS
2 POINT: 0 HR			SENSITIVITY RANGE: # #
FULL:	0 HR		S1 ABS RANGE: 0 6000

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: UA      REPORT NAME: URIC ACID  
 DATA MODE: ON BOARD      TEST NAME: UA  
 CTRL INTERVAL: 1000      UNIT: MG/DL      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:			USE QUALITATIVE TABLE
AGE	MALE	FEMALE	
100 YEARS	2.5-7.7	2.5-7.7	(1) 2.999 <3.0
100 YEARS	2.5-7.7	2.5-7.7	(2) 0.0
	2.5-7.7	2.5-7.7	(3) 0.0
		2.5-7.7	(4) 0.0
			(5) 0.0
			(6) 0.0

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 0.0-20.0      CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<STANDARD>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0.0	#				
POSITION:	#	#				
SAMPLE VOLUME:	8	8	8	8	8	8
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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 Rev.8-03

# Pointe Scientific, Inc.

## Instrument Application

**Analyzer:** Hitachi 912  
**Test:** autoHDL  
**Catalog # :** H7545

-----APPLICATION SCREEN, ANALYZE WINDOW-----

SELECT TEST: HDL                      ANALYZER CYCLE TIME: 10 SEC      DILUENT: 00311 0  
 TEST NAME: HDL                      ASSAY/TIME/POINT: 2-POINT 10 15 31 0 0  
 APP CODE: #                              WAVE (2<sup>ND</sup>/PRIMARY): 700 600

SAMPLE VOLUME	CLASS 1	CLASS 2	REAGENT	
NORMAL:	4	4		R1: 300
DECREASE:	#	#		R2: 0
INCREASE:	#	#		R3: 100
			R4: 0	
	CLASS 1	CLASS 2	DEC/INC	
ABS. LIMIT:	0	0	0	INCREASE
PROZONE LIMIT: 0		0		LOWER

-----APPLICATION SCREEN, CALIBRATION WINDOW-----

SELECT TEST: HDL                      CALIBRATION TYPE: LINEAR  
 POINT: 2                      SPAN POINT: 2                      WEIGHT: 0  
 AUTO CALIBRATION

BLANK: 0 HR	TIME OUT	LOT: #	CHANGEOVER	SD LIMIT: 0.1
SPAN:	0 HR		BOTTLE: #	DUPLICATE LIMIT: 10% 20 ABS
2 POINT: 0 HR				SENSITIVITY RANGE: # #
FULL:	0 HR			S1 ABS RANGE: -32000 32000

-----APPLICATION SCREEN, RANGE WINDOW-----

SELECT TEST: HDL                      REPORT NAME: HDL  
 DATA MODE: ON BOARD                      TEST NAME: HDL  
 CTRL INTERVAL: 1000                      UNIT: MG/DL                      INSTR. FACTOR: A = 1.0 B = 0.0  
 SELECT SAMPLE TYPE: SER/PL

EXPECTED RANGES:	USE QUALITATIVE TABLE		
AGE	MALE	FEMALE	(1) 2.999 <3.0
100 YEARS	35-55	45-65	(2) 0.0
100 YEARS	35-55	45-65	(3) 0.0
	35-55	45-65	(4) 0.0
			(5) 0.0
			(6) 0.0

DEFAULT RANGE: OVER 100 YEARS  
 DEFAULT SEX: MALE                      REPEAT RANGE: # - #  
 CLASS 1 TECHNICAL RANGE: 0-150      CLASS 2 TECHNICAL RANGE: -99999 -99999

-----APPLICATION SCREEN, OTHERS WINDOW-----

<b>&lt;STANDARD&gt;</b>	(1)	(2)	(3)	(4)	(5)	(6)
CALIB. CODE:	#	#				
CONCENTRATION:	0	#				
POSITION:	#	#				
SAMPLE VOLUME:	4	4	4	4	4	4
DILUTED S. VOL:	0	0	0	0	0	0
DILUENT VOLUME:	0	0	0	0	0	0

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 Rev.8-03

