

# Clinical chemistry

## Monarch programs

### Warning!

The given programs must be used only as guideline.  
To check the reagent correct setting on the instrument, use only good quality control sera and work in accordance with good laboratory practice. Always check instrumental factors.  
This company couldn't be considered responsible for instrumental wrong programming.

**Analyzer: Monarch**

Application: **ACID PHOSPHATASE (TOTAL)** - Codes AC 0120 / 0245 TC  
 Preparation: POWDER SINGLE REAGENT. FOLLOW PREPARATION PROGRAM INDICATED IN INSERT SHEET  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: 10 DAYS

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: ACP  
 TEST MNEMONIC: ACP  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: SLOPE  
 RESULT ALGORITHM: FACTOR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 20  
 SAMPLE DILUENT: 20  
 REAGENT DILUENT: 10  
 1st REAGENT: 170  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME: 5 SEC  
 DELAY TIME: 300 SEC  
 INTERVAL TIME: 15 SEC  
 NO. OF DATA PTS.: 15 SEC  
 FILTER 1: 405  
 FILTER 2: 405  
 MONOCHROMATOR 1: 405  
 MONOCHROMATOR 2: 405  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT: 0.8000  
 MAXIMUM SE: 0.0050  
 LOWER LIMIT: 0.0  
 UPPER LIMIT: 5.1  
 MIN RESP HI CAL:  
 MAX RESP HI CAL:

**DATA FIT PARAMETERS**

FACTOR: 1146 (CHECK WITH CONTROL SERUM)  
 CALIBRATOR:  
 CORRECTION MODE:  
 UNITS: U/L  
 NO. OF DEC. PLACES: 1

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **ACID PHOSPHATASE (NON PROSTATIC)** - Codes AC 0120 / 0245 TC  
 Preparation: POWDER SINGLE REAGENT. FOLLOW PREPARATION PROGRAM INDICATED IN ISERT SHEET. ADD THE RIGHT QUANTITY OF L-TARTRATE  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: 10 DAYS

**PROGRAM**

**IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: ACP  
 TEST MNEMONIC: ACP  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: SLOPE  
 RESULT ALGORITHM: FACTOR

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT: 0.8000  
 MAXIMUM SE: 0.0050  
 LOWER LIMIT: 0.0  
 UPPER LIMIT: 4.1  
 MIN RESP HI CAL:  
 MAX RESP HI CAL:

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 20  
 SAMPLE DILUENT: 20  
 REAGENT DILUENT: 10  
 1st REAGENT: 170  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR: 1146 (CHECK WITH CONTROL SERUM)  
 CALIBRATOR:  
 CORRECTION MODE:  
 UNITS: U/L  
 NO. OF DEC. PLACES: 1

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME: 5 SEC  
 DELAY TIME: 300 SEC  
 INTERVAL TIME: 15 SEC  
 NO. OF DATA PTS.: 15 SEC  
 FILTER 1: 405  
 FILTER 2: 405  
 MONOCHROMATOR 1: 405  
 MONOCHROMATOR 2: 405  
 COMPATIBILITY: USER DEFINED

**Analyzer: Monarch**

Application: **ALBUMIN** - Codes BC 0500 / 1500 CH  
 Preparation: LIQUID READY TO USE SINGLE REAGENT  
 Storage: ROOM TEMPERATURE (2-30°C)  
 Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: ALBUMIN  
 TEST MNEMONIC: ALB  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 2  
 SAMPLE DILUENT: 10  
 REAGENT DILUENT: 10  
 1st REAGENT: 200  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 285 SEC  
 INTERVAL TIME: 25 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 690  
 FILTER 2: 620  
 MONOCHROMATOR 1: 690  
 MONOCHROMATOR 2: 620  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 3.8  
 UPPER LIMIT: 5.1  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: G/DL  
 NO. OF DEC. PLACES: 1

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **ALKALINE PHOSPHATASE FL** - Codes AL F245 / F400 / F600 CH  
 Preparation: AS INDICATED IN INSERT SHEET  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: 30 DAYS

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: ALP  
 TEST MNEMONIC: ALP  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: SLOOPE  
 RESULT ALGORITHM: FACTOR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 3  
 SAMPLE DILUENT: 15  
 REAGENT DILUENT: 10  
 1st REAGENT: 150  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME: 10  
 DELAY TIME: 35  
 INTERVAL TIME: 15  
 NO. OF DATA PTS.: 10  
 FILTER 1: 405  
 FILTER 2: 405  
 MONOCHROMATOR 1: 405  
 MONOCHROMATOR 2: 405  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT: 0.1800  
 MAXIMUM SE: 0.008  
 LOWER LIMIT: 64  
 UPPER LIMIT: 306  
 MIN RESP HI CAL:  
 MAX RESP HI CAL:

**DATA FIT PARAMETERS**

FACTOR: 2757 (CHECK WITH  
 CONTROL SERUM)  
 CALIBRATOR:  
 CORRECTION MODE:  
 UNITS: U/L  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **AMYLASE FL** - Codes AM F120 / F245 / F600 CH  
 Preparation: LIQUID READY TO USE SINGLE REAGENT  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: AMYLASE  
 TEST MNEMONIC: AMY  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: SLOPE  
 RESULT ALGORITHM: FACTOR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 5  
 SAMPLE DILUENT: 20  
 REAGENT DILUENT: 10  
 1st REAGENT: 170  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME: 10 SEC  
 DELAY TIME: 35 SEC  
 INTERVAL TIME: 15 SEC  
 NO. OF DATA PTS.: 405  
 FILTER 1: 405  
 FILTER 2: 405  
 MONOCHROMATOR 1: 405  
 MONOCHROMATOR 2: 405  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT: 0.322  
 MAXIMUM SE: 0.008  
 LOWER LIMIT: 0  
 UPPER LIMIT: 90  
 MIN RESP HI CAL:  
 MAX RESP HI CAL:

**DATA FIT PARAMETERS**

FACTOR: 2500 (check with control serum)  
 CALIBRATOR:  
 CORRECTION MODE:  
 UNITS: U/L  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **AMYLASE EPS FL** - Codes EA F245 / F600 CH  
 Preparation: AS INDICATED IN INSERT SHEET  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: AMYLASE  
 TEST MNEMONIC: AMY  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: SLOPE  
 RESULT ALGORITHM: FACTOR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 4  
 SAMPLE DILUENT: 10  
 REAGENT DILUENT: 10  
 1st REAGENT: 200  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME: 15 SEC  
 DELAY TIME: 145 SEC  
 INTERVAL TIME: 20 SEC  
 NO. OF DATA PTS.: 6  
 FILTER 1: 405  
 FILTER 2: 405  
 MONOCHROMATOR 1: 405  
 MONOCHROMATOR 2: 405  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT: 1.80000  
 MAXIMUM SE: 0.01  
 LOWER LIMIT: 10  
 UPPER LIMIT: 220  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR: 17500  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE:  
 UNITS: U/L  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **PANCREATIC ISOAMYLASE FL** - Codes PA F245 CH  
 Preparation: REAGENT A - INSTALL AS REAGENT 1st  
 REAGENT B - INSTALL AS REAGENT 3rd  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

**PROGRAM**

**IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: ISOAMYLASE  
 TEST MNEMONIC: IAMY  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: SLOPE  
 RESULT ALGORITHM: FACTOR

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT: 1.8000  
 MAXIMUM SE: 0.0080  
 LOWER LIMIT: 17  
 UPPER LIMIT: 115  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 (CRIT) INCUBATE  
 RELOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 3  
 SAMPLE DILUENT: 10  
 REAGENT DILUENT: 10  
 1st REAGENT: 150  
 2nd REAGENT: 0  
 3rd REAGENT: 38  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR: 15400  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE:  
 UNITS: U/L  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME: 3 MIN  
 EARLY TIME: 10 SEC  
 DELAY TIME: 180 SEC  
 INTERVAL TIME: 20 SEC  
 NO. OF DATA PTS.: 9  
 FILTER 1: 405  
 FILTER 2: 405  
 MONOCHROMATOR 1: 405  
 MONOCHROMATOR 2: 405  
 COMPATIBILITY: USER DEFINED

**Analyzer: Monarch**

Application: **DIRECT BILIRUBIN** - Code BD 0480 CH  
 Preparation: MIX 5 ml OF REAGENT A WITH 0.1 ml OF REAGENT B -USE UP TO 30 DAYS-  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL (ONLY REAGENT)

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: BILIRUBIN DIR  
 TEST MNEMONIC: BID  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 12  
 SAMPLE DILUENT: 10  
 REAGENT DILUENT: 10  
 1st REAGENT:  
 2nd REAGENT: 0  
 3rd REAGENT:  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 120 SEC  
 INTERVAL TIME: 15 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 690  
 FILTER 2: 520  
 MONOCHROMATOR 1: 690  
 MONOCHROMATOR 2: 520  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 0  
 UPPER LIMIT: 0.2  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: MG/DL  
 NO. OF DEC. PLACES: 1

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **TOTAL BILIRUBIN** - Code BT 0360 CH  
 Preparation: 1st REAGENT: USE LIQUID READY TO USE REAGENT A  
 2nd REAGENT: MIX 5 ml OF REAGENT B1 WITH 0.1 ml OF REAGENT B2 -USE UP TO 30 DAYS-  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL (ONLY REAGENT)

**PROGRAM**

**IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: BILIRUBIN DIR  
 TEST MNEMONIC: BIT  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 0  
 UPPER LIMIT: 1.2  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 8  
 SAMPLE DILUENT: 10  
 REAGENT DILUENT: 10  
 1st REAGENT: 160  
 2nd REAGENT: 40  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: MG/DL  
 NO. OF DEC. PLACES: 1

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 285 SEC  
 INTERVAL TIME: 15 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 690  
 FILTER 2: 520  
 MONOCHROMATOR 1: 690  
 MONOCHROMATOR 2: 520  
 COMPATIBILITY: USER DEFINED

**Analyzer: Monarch**

Application: **CALCIUM** - Code CA 0500 TC  
 Preparation: AS INDICATED IN INSERT SHEET  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: 10 DAYS

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: CALCIUM  
 TEST MNEMONIC: CA  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 5  
 SAMPLE DILUENT: 5  
 REAGENT DILUENT: 5  
 1st REAGENT: 200  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 80 SEC  
 INTERVAL TIME: 15 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 690  
 FILTER 2: 550  
 MONOCHROMATOR 1: 690  
 MONOCHROMATOR 2: 550  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 8.5  
 UPPER LIMIT: 10.5  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: MG/DL  
 NO. OF DEC. PLACES: 1

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **CALCIUM ASX** - Code CA 0500 CH  
 Preparation: AS INDICATED IN INSERT SHEET  
 Storage: ROOM TEMPERATURE (2-30°C)  
 Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

**PROGRAM**

**IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: CALCIUM  
 TEST MNEMONIC: CA  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 9.2  
 UPPER LIMIT: 11.0  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 2  
 SAMPLE DILUENT: 5  
 REAGENT DILUENT: 5  
 1st REAGENT: 200  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: MG/DL  
 NO. OF DEC. PLACES: 1

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 80 SEC  
 INTERVAL TIME: 15 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 690  
 FILTER 2: 620  
 MONOCHROMATOR 1: 690  
 MONOCHROMATOR 2: 620  
 COMPATIBILITY: USER DEFINED

**Analyzer: Monarch**

Application: **CHLORIDE** - Code CL 0500 CH  
 Preparation: LIQUID READY TO USE SINGLE REAGENT  
 Storage: ROOM TEMPERATURE (2-30°C)  
 Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

**PROGRAM**

**IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: CHLORIDE  
 TEST MNEMONIC: CL  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 98  
 UPPER LIMIT: 110  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 2  
 SAMPLE DILUENT: 5  
 REAGENT DILUENT: 5  
 1st REAGENT: 250  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: mEq/L  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 300 SEC  
 INTERVAL TIME: 15 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 690  
 FILTER 2: 470  
 MONOCHROMATOR 1: 690  
 MONOCHROMATOR 2: 470  
 COMPATIBILITY: USER DEFINED

**Analyzer: Monarch**

Application: **CHOLESTEROL FL** - Codes CT F400 / 150F CH  
 Preparation: LIQUID READY TO USE SINGLE REAGENT  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: CHOLESTEROL  
 TEST MNEMONIC: CHOL  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 2  
 SAMPLE DILUENT: 10  
 REAGENT DILUENT: 10  
 1st REAGENT: 180  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 300 SEC  
 INTERVAL TIME: 15 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 690  
 FILTER 2: 520  
 MONOCHROMATOR 1: 690  
 MONOCHROMATOR 2: 520  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 140  
 UPPER LIMIT: 200  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: MG/DL  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **HDL-DIRECT FL** - Code HD F245 CH  
 Preparation: INSTALL REAGENT A AS 1st REAGENT  
 INSTALL REAGENT B AS 3rd REAGENT  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: 60 DAYS ON BOARD

**PROGRAM**

**IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: HDL  
 TEST MNEMONIC: HDL  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 (CRIT) INCUBATE  
 RELOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 2  
 SAMPLE DILUENT: 10  
 REAGENT DILUENT: 10  
 1st REAGENT: 176  
 2nd REAGENT: 0  
 3rd REAGENT: 56  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME: 5 MIN  
 EARLY TIME:  
 DELAY TIME: 30 SEC  
 INTERVAL TIME: 20 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 700  
 FILTER 2: 600  
 MONOCHROMATOR 1: 700  
 MONOCHROMATOR 2: 600  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 35  
 UPPER LIMIT: 55  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: MG/DL  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **CHOLINESTERASE FL (DGKC)** - Codes CH F245 / F400 CH  
 Preparation: MIX 5 PARTS OF REAGENT A WITH ONE PART OF REAGENT B  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: 7 DAYS AT 4°C

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: CHE  
 TEST MNEMONIC: CHE  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: SLOPE  
 RESULT ALGORITHM: FACTOR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 3  
 SAMPLE DILUENT: 10  
 REAGENT DILUENT: 20  
 1st REAGENT: 180  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME: 15 SEC  
 DELAY TIME: 95 SEC  
 INTERVAL TIME: 20 SEC  
 NO. OF DATA PTS.: 4  
 FILTER 1: 405  
 FILTER 2: 405  
 MONOCHROMATOR 1: 405  
 MONOCHROMATOR 2: 405  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: NEGATIVE  
 MAX DELTA ABS/INT: 0.780  
 MAXIMUM SE: 0.01  
 LOWER LIMIT: 5600  
 UPPER LIMIT: 11200  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR: 99999  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE:  
 UNITS: U/L  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **CK-NAC FL** - Codes CK F120 / F245 / F600 CH  
 Preparation: AS INDICATED IN INSERT SHEET  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: 30 DAYS

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: CK  
 TEST MNEMONIC: CK  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: SLOPE  
 RESULT ALGORITHM: FACTOR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 5  
 SAMPLE DILUENT: 20  
 REAGENT DILUENT: 10  
 1st REAGENT: 170  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME: 5 SEC  
 DELAY TIME: 120 SEC  
 INTERVAL TIME: 20 SEC  
 NO. OF DATA PTS.: 10  
 FILTER 1: 340  
 FILTER 2: 340  
 MONOCHROMATOR 1: 340  
 MONOCHROMATOR 2: 340  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT: 1.05  
 MAXIMUM SE: 0.005  
 LOWER LIMIT: 25  
 UPPER LIMIT: 192  
 MIN RESP HI CAL:  
 MAX RESP HI CAL:

**DATA FIT PARAMETERS**

FACTOR: 6592 (check with control serum)  
 CALIBRATOR:  
 CORRECTION MODE:  
 UNITS: U/L  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **CK-MB FL** - Code MB F120 CH  
 Preparation: AS INDICATED IN INSERT SHEET  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: 14 DAYS

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: CKMB  
 TEST MNEMONIC: CKMB  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: SLOPE  
 RESULT ALGORITHM: FACTOR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 5  
 SAMPLE DILUENT: 20  
 REAGENT DILUENT: 10  
 1st REAGENT: 170  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME: 5 SEC  
 DELAY TIME: 300 SEC  
 INTERVAL TIME: 30 SEC  
 NO. OF DATA PTS.: 10  
 FILTER 1: 340  
 FILTER 2: 340  
 MONOCHROMATOR 1: 340  
 MONOCHROMATOR 2: 340  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT: 1.05  
 MAXIMUM SE: 0.005  
 LOWER LIMIT: 0  
 UPPER LIMIT: 25  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR: 13000  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE:  
 UNITS: U/L  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **CREATININE** - Code CR 0500 CH  
 Preparation: AS INDICATED IN INSERT SHEET  
 Storage: ROOM TEMPERATURE (2-8°C)  
 Stability: 14 DAYS

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: CREATININE  
 TEST MNEMONIC: CREA  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 10  
 SAMPLE DILUENT: 10  
 REAGENT DILUENT: 10  
 1st REAGENT: 200  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 30 SEC  
 INTERVAL TIME: 60 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 500  
 FILTER 2: 500  
 MONOCHROMATOR 1: 500  
 MONOCHROMATOR 2: 500  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 0.6  
 UPPER LIMIT: 1.2  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: MG/DL  
 NO. OF DEC. PLACES: 2

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**Application: **CREATININE ES FL** - Codes CR F200 CHPreparation: REAGENT A - INSTALL AS REAGENT 2nd  
REAGENT B - INSTALL AS REAGENT 3rd

Storage: REFRIGERATE AT 2-8°C

Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

**IDENTIFICATION PARAMETERS**TEST CODE:  
TEST NAME: CREATININE  
TEST MNEMONIC: CREA  
OPTICAL MODE: ABSORBANCE  
RESPONSE ALGORITHM: FINAL-INITIAL  
RESULT ALGORITHM: LINEAR**DATA INTEGRITY PARAMETERS**SLOPE: POSITIVE  
MAX DELTA ABS/INT: ---  
MAXIMUM SE: ---  
LOWER LIMIT: 0.6  
UPPER LIMIT: 1.2  
MIN RESP HI CAL: USER DEFINED  
MAX RESP HI CAL: USER DEFINED**LOADING PARAMETERS**LOADING TYPE: LOAD  
(CRIT) INCUBATE  
RELOAD  
ANALYZE  
REAGENT BLANK: ON  
REFERENCE TYPE: DILUENT  
SAMPLE VOLUME: 8  
SAMPLE DILUENT: 5  
REAGENT DILUENT: 5  
1st REAGENT: 0  
2nd REAGENT: 75  
3rd REAGENT: 17  
4th REAGENT: 0  
1st-4th RGT BAR CODE: USER DEFINED**DATA FIT PARAMETERS**FACTOR: ---  
CALIBRATOR: USER DEFINED  
CORRECTION MODE: NONE  
UNITS: MG/DL  
NO. OF DEC. PLACES: 2**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**DATA ACQUISITION PARAMETERS**ANALYSIS TYPE: MIX  
RUN  
TEMPERATURE: 37°C  
INCUBATE TIME: 3 MIN  
EARLY TIME: ---  
DELAY TIME: 120 SEC  
INTERVAL TIME: 120 SEC  
NO. OF DATA PTS.: 2  
FILTER 1: 520  
FILTER 2: 520  
MONOCHROMATOR 1: 520  
MONOCHROMATOR 2: 520  
COMPATIBILITY: USER DEFINED

**Analyzer: Monarch**

Application: **FRUCTOSAMINE** - Code FR 0048 CH  
 Preparation: POWDER SINGLE REAGENT. FOLLOW PREPARATION PROGRAM INDICATED IN INSERT SHEET  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: 15 DAYS

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: FRUT  
 TEST MNEMONIC: FRUT  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: OFF  
 REFERENCE TYPE: DILUENT  
 CALIBRATOR TYPE: TEST SPECIFIC  
 SAMPLE VOLUME: 185  
 SAMPLE DILUENT: 10  
 REAGENT DILUENT: 10  
 1st REAGENT: 180  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 600 SEC  
 INTERVAL TIME: 300 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 550  
 FILTER 2: 550  
 MONOCHROMATOR 1: 550  
 MONOCHROMATOR 2: 550  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 0.0  
 UPPER LIMIT: 285.0  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: µMol/l  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **GAMMA-GT FL** - Codes GT F245 / F400 / F600 CH  
 Preparation: AS INDICATED IN INSERT SHEET  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: 60 DAYS

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: GAMMA GT  
 TEST MNEMONIC: GGT  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: SLOPE  
 RESULT ALGORITHM: FACTOR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 10  
 SAMPLE DILUENT: 15  
 REAGENT DILUENT: 10  
 1st REAGENT: 180  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME: 15 SEC  
 DELAY TIME: 35 SEC  
 INTERVAL TIME: 20 SEC  
 NO. OF DATA PTS.: 7  
 FILTER 1: 405  
 FILTER 2: 405  
 MONOCHROMATOR 1: 405  
 MONOCHROMATOR 2: 405  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT: 0.6000  
 MAXIMUM SE: 0.01  
 LOWER LIMIT: 8  
 UPPER LIMIT: 50  
 MIN RESP HI CAL:  
 MAX RESP HI CAL:

**DATA FIT PARAMETERS**

FACTOR: 3112  
 CALIBRATOR:  
 CORRECTION MODE:  
 UNITS: U/L  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **GLUCOSE FL** - Codes GL F400 / 150F CH  
 Preparation: LIQUID READY TO USE SINGLE REAGENT  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: GLUCOSE  
 TEST MNEMONIC: G  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 2  
 SAMPLE DILUENT: 10  
 REAGENT DILUENT: 10  
 1st REAGENT: 200  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 120 SEC  
 INTERVAL TIME: 140 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 520  
 FILTER 2: 520  
 MONOCHROMATOR 1: 520  
 MONOCHROMATOR 2: 520  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 70  
 UPPER LIMIT: 110  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: MG/DL  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **GLUCOSE UV FL** - Code GL F601 CH  
 Preparation: AS INDICATED IN INSERT SHEET  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: 60 DAYS

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: GLUCOSE  
 TEST MNEMONIC: G  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 2  
 SAMPLE DILUENT: 10  
 REAGENT DILUENT: 10  
 1st REAGENT: 180  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 120 SEC  
 INTERVAL TIME: 140 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 340  
 FILTER 2: 340  
 MONOCHROMATOR 1: 340  
 MONOCHROMATOR 2: 340  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 70  
 UPPER LIMIT: 110  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: MG/DL  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **GOT/AST FL** - Codes GO F245 / F400 / F600 CH  
 Preparation: AS INDICATED IN INSERT SHEET  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: 30 DAYS

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: AST/GOT  
 TEST MNEMONIC: GOT  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: SLOPE  
 RESULT ALGORITHM: FACTOR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 18  
 SAMPLE DILUENT: 15  
 REAGENT DILUENT: 10  
 1st REAGENT: 165  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME: 5 SEC  
 DELAY TIME: 120 SEC  
 INTERVAL TIME: 30 SEC  
 NO. OF DATA PTS.: 10  
 FILTER 1: 340  
 FILTER 2: 340  
 MONOCHROMATOR 1: 340  
 MONOCHROMATOR 2: 340  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: NEGATIVE  
 MAX DELTA ABS/INT: 0.6500  
 MAXIMUM SE: 0.0100  
 LOWER LIMIT: 6  
 UPPER LIMIT: 38  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR: 2507  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE:  
 UNITS: U/L  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **GPT/ALT FL** - Codes GP F245 / F400 / F600 CH  
 Preparation: AS INDICATED IN INSERT SHEET  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: 30 DAYS

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: ALT/GPT  
 TEST MNEMONIC: GPT  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: SLOPE  
 RESULT ALGORITHM: FACTOR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 18  
 SAMPLE DILUENT: 15  
 REAGENT DILUENT: 10  
 1st REAGENT: 165  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME: 5 SEC  
 DELAY TIME: 120 SEC  
 INTERVAL TIME: 30 SEC  
 NO. OF DATA PTS.: 10  
 FILTER 1: 340  
 FILTER 2: 340  
 MONOCHROMATOR 1: 340  
 MONOCHROMATOR 2: 340  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: NEGATIVE  
 MAX DELTA ABS/INT: 0.6800  
 MAXIMUM SE: 0.0100  
 LOWER LIMIT: 6  
 UPPER LIMIT: 38  
 MIN RESP HI CAL:  
 MAX RESP HI CAL:

**DATA FIT PARAMETERS**

FACTOR: 2750  
 CALIBRATOR:  
 CORRECTION MODE:  
 UNITS: U/L  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **IRON FZ** - Codes FE F245 / F400 CH  
 Preparation: REAGENT A - INSTALL AS REAGENT 1st  
 REAGENT B - INSTALL AS REAGENT 2nd  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

**PROGRAM**

**IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: IRON  
 TEST MNEMONIC: IRON  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 59  
 UPPER LIMIT: 158  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 30  
 SAMPLE DILUENT: 20  
 REAGENT DILUENT: 10  
 1st REAGENT: 120  
 2nd REAGENT: 30  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: µG/DL  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 285 SEC  
 INTERVAL TIME: 15 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 690  
 FILTER 2: 570  
 MONOCHROMATOR 1: 690  
 MONOCHROMATOR 2: 570  
 COMPATIBILITY: USER DEFINED

**Analyzer: Monarch**

Application: **LDH FL** - Codes LD F120 / F245 / F600 CH  
 Preparation: AS INDICATED IN INSERT SHEET  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: 30 DAYS

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: LDH  
 TEST MNEMONIC: LDH  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: SLOPE  
 RESULT ALGORITHM: FACTOR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 3  
 SAMPLE DILUENT: 20  
 REAGENT DILUENT: 10  
 1st REAGENT: 210  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME: 5 SEC  
 DELAY TIME: 40 SEC  
 INTERVAL TIME: 20 SEC  
 NO. OF DATA PTS.: 7  
 FILTER 1: 340  
 FILTER 2: 340  
 MONOCHROMATOR 1: 340  
 MONOCHROMATOR 2: 340  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: NEGATIVE  
 MAX DELTA ABS/INT: 0.2000  
 MAXIMUM SE: 0.0100  
 LOWER LIMIT: 225  
 UPPER LIMIT: 450  
 MIN RESP HI CAL:  
 MAX RESP HI CAL:

**DATA FIT PARAMETERS**

FACTOR: 15200  
 CALIBRATOR:  
 CORRECTION MODE:  
 UNITS: U/L  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**Application: **LIPASE FL** - Code LP F245 CHPreparation: REAGENT A - INSTALL AS REAGENT 1st (ready to use)  
REAGENT B - INSTALL AS REAGENT 3rd (ready to use)

Storage: REFRIGERATE AT 2-8°C

Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

**IDENTIFICATION PARAMETERS**TEST CODE:  
TEST NAME: LIPASE  
TEST MNEMONIC: LIP  
OPTICAL MODE: ABSORBANCE  
RESPONSE ALGORITHM: SLOPE  
RESULT ALGORITHM: LINEAR**DATA INTEGRITY PARAMETERS**SLOPE: POSITIVE  
MAX DELTA ABS/INT: ---  
MAXIMUM SE: ---  
LOWER LIMIT: 0.0  
UPPER LIMIT: 30.0  
MIN RESP HI CAL: USER DEFINED  
MAX RESP HI CAL: USER DEFINED**LOADING PARAMETERS**LOADING TYPE: LOAD  
RELOAD  
ANALYZE  
REAGENT BLANK: ON  
REFERENCE TYPE: DILUENT  
CALIBRATOR TYPE: TEST SPECIFIC  
SAMPLE VOLUME: 3  
SAMPLE DILUENT: 10  
REAGENT DILUENT: 0  
1st REAGENT: 200  
2nd REAGENT: 0  
3rd REAGENT: 40  
4th REAGENT: 0  
1st-4th RGT BAR CODE: USER DEFINED**DATA FIT PARAMETERS**FACTOR: ---  
CALIBRATOR: USER DEFINED  
CORRECTION MODE: NONE  
UNITS: IU/L  
NO. OF DEC. PLACES: 0**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**DATA ACQUISITION PARAMETERS**ANALYSIS TYPE: MIX  
RUN  
TEMPERATURE: 37°C  
INCUBATE TIME: ---  
EARLY TIME: 5 SEC  
DELAY TIME: 60 SEC  
INTERVAL TIME: 20 SEC  
NO. OF DATA PTS.: 5  
FILTER 1: 570  
FILTER 2: 570  
MONOCHROMATOR 1: 570  
MONOCHROMATOR 2: 570  
COMPATIBILITY: USER DEFINED

**Analyzer: Monarch**

Application: **MAGNESIUM FL** - Codes MG 0200 / 0500 CH  
 Preparation: AS INDICATED IN INSERT SHEET  
 Storage: REFRIGERATE AT 2-8°C (STABLE 90 DAYS)  
 ROOM TEMPERATURE 15-30°C (STABLE 30 DAYS)

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: MAGNESIUM  
 TEST MNEMONIC: MG  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 2  
 SAMPLE DILUENT: 10  
 REAGENT DILUENT: 10  
 1st REAGENT: 180  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 30 SEC  
 INTERVAL TIME: 15 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 690  
 FILTER 2: 520  
 MONOCHROMATOR 1: 690  
 MONOCHROMATOR 2: 520  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 1.3  
 UPPER LIMIT: 2.1  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: mEq/L  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **PHOSPHORUS** - Code PH 0500 CH  
 Preparation: LIQUID READY TO USE SINGLE REAGENT  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

**PROGRAM**

**IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: PHOSPHORUS  
 TEST MNEMONIC: P  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 3.0  
 UPPER LIMIT: 4.5  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 4  
 SAMPLE DILUENT: 10  
 REAGENT DILUENT: 10  
 1st REAGENT: 200  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: MG/DL  
 NO. OF DEC. PLACES: 1

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 285 SEC  
 INTERVAL TIME: 25 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 620  
 FILTER 2: 340  
 MONOCHROMATOR 1: 620  
 MONOCHROMATOR 2: 340  
 COMPATIBILITY: USER DEFINED

**Analyzer: Monarch**

Application: **PROTEINS HS** - Code HS 0500 CH  
 Preparation: LIQUID READY TO USE SINGLE REAGENT  
 Storage: ROOM TEMPERATURE (2-30°C)  
 Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: PROTEINS URIN  
 TEST MNEMONIC: HS  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 4  
 SAMPLE DILUENT: 10  
 REAGENT DILUENT: 10  
 1st REAGENT: 200  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 285 SEC  
 INTERVAL TIME: 25 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 690  
 FILTER 2: 620  
 MONOCHROMATOR 1: 690  
 MONOCHROMATOR 2: 620  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 28  
 UPPER LIMIT: 141  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: GM/DL  
 NO. OF DEC. PLACES:0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **PROTEINS (TOTAL)** - Codes TP 0500 / 1500 CH  
 Preparation: LIQUID READY TO USE SINGLE REAGENT  
 Storage: ROOM TEMPERATURE (2-30°C)  
 Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: PROTEINS  
 TEST MNEMONIC: TP  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 2  
 SAMPLE DILUENT: 10  
 REAGENT DILUENT: 10  
 1st REAGENT: 200  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 300 SEC  
 INTERVAL TIME: 25 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 620  
 FILTER 2: 550  
 MONOCHROMATOR 1: 620  
 MONOCHROMATOR 2: 550  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 6.0  
 UPPER LIMIT: 7.8  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: ONE  
 UNITS: G/DL  
 NO. OF DEC. PLACES: 1

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**Analyzer: Monarch**

Application: **TRIGLYCERIDES FL** - Codes TR F400 / 150F CH  
 Preparation: LIQUID READY TO USE SINGLE REAGENT  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

**PROGRAM**

**IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: TRIGLYCERIDES  
 TEST MNEMONIC: TRIG  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 10  
 UPPER LIMIT: 190  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 2  
 SAMPLE DILUENT: 10  
 REAGENT DILUENT: 10  
 1st REAGENT: 200  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: MG/DL  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 300 SEC  
 INTERVAL TIME: 15 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 690  
 FILTER 2: 520  
 MONOCHROMATOR 1: 690  
 MONOCHROMATOR 2: 520  
 COMPATIBILITY: USER DEFINED

**Analyzer: Monarch**

Application: **UREA UV FL** - Codes AZ F245 / F400 / F600 CH  
 Preparation: AS INDICATED IN INSERT SHEET  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: 60 DAYS

**PROGRAM**

**IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: UREA  
 TEST MNEMONIC: UREA  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**DATA INTEGRITY PARAMETERS**

SLOPE: NEGATIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 10  
 UPPER LIMIT: 40  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 2  
 SAMPLE DILUENT: 38  
 REAGENT DILUENT: 10  
 1st REAGENT: 200  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: MG/DL  
 NO. OF DEC. PLACES: 0

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 60 SEC  
 INTERVAL TIME: 60 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 340  
 FILTER 2: 340  
 MONOCHROMATOR 1: 340  
 MONOCHROMATOR 2: 340  
 COMPATIBILITY: USER DEFINED

**Analyzer: Monarch**

Application: **URIC ACID T FL** - Code AU F402 CH  
 Preparation: AS INDICATED IN INSERT SHEET  
 Storage: REFRIGERATE AT 2-8°C  
 Stability: 90 DAYS

**PROGRAM****IDENTIFICATION PARAMETERS**

TEST CODE:  
 TEST NAME: URIC ACID  
 TEST MNEMONIC: UA  
 OPTICAL MODE: ABSORBANCE  
 RESPONSE ALGORITHM: FINAL - INITIAL  
 RESULT ALGORITHM: LINEAR

**LOADING PARAMETERS**

LOADING TYPE: LOAD  
 ANALYZE  
 REAGENT BLANK: ON  
 REFERENCE TYPE: DILUENT  
 SAMPLE VOLUME: 5  
 SAMPLE DILUENT: 20  
 REAGENT DILUENT: 170  
 1st REAGENT: 0  
 2nd REAGENT: 0  
 3rd REAGENT: 0  
 4th REAGENT: 0  
 1st-4th RGT BAR CODE: USER DEFINED

**DATA ACQUISITION PARAMETERS**

ANALYSIS TYPE: MIX  
 RUN  
 TEMPERATURE: 37°C  
 INCUBATE TIME:  
 EARLY TIME:  
 DELAY TIME: 285 SEC  
 INTERVAL TIME: 15 SEC  
 NO. OF DATA PTS.: 2  
 FILTER 1: 690  
 FILTER 2: 550  
 MONOCHROMATOR 1: 690  
 MONOCHROMATOR 2: 550  
 COMPATIBILITY: USER DEFINED

**DATA INTEGRITY PARAMETERS**

SLOPE: POSITIVE  
 MAX DELTA ABS/INT:  
 MAXIMUM SE:  
 LOWER LIMIT: 2.5  
 UPPER LIMIT: 7.7  
 MIN RESP HI CAL: USER DEFINED  
 MAX RESP HI CAL: USER DEFINED

**DATA FIT PARAMETERS**

FACTOR:  
 CALIBRATOR: USER DEFINED  
 CORRECTION MODE: NONE  
 UNITS: MG/DL  
 NO. OF DEC. PLACES: 1

**CALCULATED PARAMETERS**

RUN TIME: AUTOMATIC