***3.3 Example***

**3.3.1 Test Selection for New Sample ID**

Communication is switched on. Start Run is requested. After the scanner recognized

the sample bar code the analyzer requests the lists of tests to be performed with this

sample. The host responds by sending the test selection data. This procedure repeats

for each sample in the sample disk:

*Instrument requests test selections for sample 000004:*

Message Header **H**

ELEC [ENQ]

HOST [ACK]

ELEC [STX]1**H**|\^&[CR][ETX]E5[CR][LF]

HOST [ACK]

Requ. Info.: ID# 000004 **Q**

ELEC [STX]2Q|1|^000004^278^0^19^^SAMPLE^NORMAL||ALL||||||||O[CR][ETX]38[CR][LF]

HOST [ACK]

Message Terminator **L**

ELEC [STX]3**L**|1[CR][ETX]3C[CR][LF]

HOST [ACK]

ELEC [EOT]

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*Host responds with test selections for, sample 000004*

*10=TSH, 20=T4, 30=FT4:*

**H** Message Header

HOST [ENQ]

ELEC [ACK]

HOST [STX]1**H**|\^&|||ASTM-Host[CR][ETX]59[CR][LF]

ELEC [ACK]

**P** Patient Info. ID# 000004

HOST [STX]2P|1||000004[CR][ETX]5B[CR][LF]

ELEC [ACK]

**O** Test Order: TSH, T4

HOST [STX]3O|1|000004|278^0^19|^^^10^0\^^^20^0|R||||||N||||||||||||||O[CR][ETX]58[CR][LF]

ELEC [ACK]

**L** Message Terminator

HOST [STX]4**L**|1[CR][ETX]3D[CR][LF]

ELEC [ACK]

HOST [EOT]

**3.3.2 Upload Results after Tests are Performed**

Communication is switched on. Upload option is "Automatic ON". After the tests of a

sample are being performed the instrument sends the results to the host. This

procedure repeats for each sample in the sample disk:

Message Header **H**

ELEC [ENQ]

HOST [ACK]

ELEC [STX]1**H**|\^&[CR][ETX]E5[CR][LF]

HOST [ACK]

Patient Info. ID# 000004 **P**

ELEC [STX]2P|1||000004[CR][ETX]5B[CR][LF]

HOST [ACK]

Test Order: ID# 000004 **O**

ELEC [STX]3O|1|000004|278^0^19^^SAMPLE^NORMAL|ALL|

R|19960614142107|||||X||||||||||||||0[CR][ETX]25[CR]

[LF]

HOST [ACK]

Result TSH: 2.01 μIU/ml **R**

ELEC [STX]4R|1|^^^10^0|2.01|uIU/ml|1.69^2.43|||F|||1997

0509135452|19970509141314|[CR][ETX]E3[CR][LF]

HOST [ACK]

Result T4: 320.0 nmol/l **R**

ELEC [STX]5R|2|^^^20^0|320.0|nmol/l|58.80^151.0|L||F|||

19970425120351|19970425122213|[CR][ETX]EC[CR][LF]

HOST [ACK]

Comment: out of range **C**

ELEC [STX]6C|1|I|49^Above normal(expected)range|I

[CR][ETX]58[CR][LF]

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HOST [ACK]

Result HBSAG: negative **R**

ELEC [STX]7R|1|^^^400^|-1^0.453|COI|^|||F|||

19970618105515|19970618111337|[CR][ETX]0A[CR][LF]

HOST [ACK]

ELEC [STX]0L|1[CR][ETX]39[CR][LF]

HOST [ACK]

ELEC [EOT]