1.5. Host Query

With the Host Query option enabled, when an unknown patient bar-code is read (patient data not present in the software) a request is sent to the Host computer to send the patient data and related analyses for that unknown code. Moreover the analyzer can send to the Host computer a message containing the sending patients outcome, which may be positive or can contain errors.
The latter can be disabled in the Setup (see chapt. 9, par. 2.2)

Request for patient data + analyses data:

To the host is sent a request as follows:

HEADER
        INFORMATION
TERMINATOR

Where Header and Terminator are the same used in 1.4. Receive report, while Information has the following format.

Information [Q]
Information request related to a specific code

Rif. ASTM E1394-91	Field Number	Field Name	Max Len	Content	Note
12.1.1	1	Record Type ID	1	Q	Identifies the message Information (fix)
12.1.5	3	Patient ID	30	Patient code	It is the patient's unique ID code
12.1.13	13	Type	1	O	Patient data request + test

As answer, the LIS will send a pack containing the patient data and the test to be performed for that code, as specified in 1.3. Analyzer Programming
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Sending errors/status to LIS:

A request as follows is sent to the host:

HEADER
TERMINATOR

Where Header and Terminator are the same used in 1.4. Receive report. Only the Terminator Information field is modified (Rif. 1394-91 13.1.3) as it may contain one of the following codes:

Code	Type
F	Sending result OK
T	The sender has aborted the communication
R	The receiver has aborted the communication
Q	Last pack had an error in contents (usually an error in the analyses codes – too many analyses or unknown analysis code)

ATTENTION: when the query mode is activated, make sure that the host is connected, as the operative program has a 60 seconds timeout for each single request. In case the host is not connected, the analyzer might stop working for a long time.