

Introduction

Purpose

The Laboratory Information System (LIS) feature of the UniCel DxH 600 Coulter Cellular Analysis System, the UniCel DxH 800 Coulter Cellular Analysis System, the UniCel DxH Slidemaker Stainer Coulter Cellular Analysis System, the DxH 900, the DxH 690T, and the DxH Slidemaker Stainer II allows an external laboratory computer to communicate with the System Manager through a serial connection or a TCP/IP connection.

The DxH makes an interface standard available:

- American Society for Testing and Materials (ASTM)

The ASTM interface standard is broken into the two major functions of Low Level Transfer Protocol and Message Content:

- **ASTM**
 - **Low Level Transfer Protocol** which consists of two parts:
 - Physical Layer (see [ASTM Physical Layer](#) in [CHAPTER 1, ASTM: Low Level Transfer Protocol](#)).
 - Data Link Layer (see [Data Link Layer](#) in [CHAPTER 1, ASTM: Low Level Transfer Protocol](#)).
 - **Message Content** (see [Message Content](#) in [CHAPTER 2, ASTM: Message Layer](#)) which contains the specifications for each of the nine records that are used to pass information between the instrument and the laboratory computer.

Standards/Protocols

The UniCel DxH Coulter Cellular Analysis Systems are available in several configurations. The software supports both stand-alone or workcell systems.

Regardless of the workcell configuration, there is only one connection from a workcell to the LIS.

DxH 800/DxH 600 and DxH Slidemaker Stainer

1.3.8. 2. Automatiniai hematologiniai analizatoriai gali veikti tiek sujungti sistemoje, tiek atskirai.

The DxH 600 is a stand-alone system.

The DxH 800 and DxH Slidemaker Stainer are available in the following configurations:

- DxH 800 - One stand-alone DxH 800 system
- DxH Slidemaker Stainer - One stand-alone DxH Slidemaker Stainer system