Rules Training
For Instrument Manager™

Course Description

Rules Training is an intensive, hands-on course that teaches the use of Instrument Manager Rules Engine functionality and how to author decision support algorithms which can be used for the purposes of Auto-Verification. The class covers instrument request and result rules, LIS request rules and Specimen Management rules.

Prerequisites

Participants should have an understanding of their own laboratory workflows, and operation of their Laboratory Information System (LIS) for transmission of test orders, and receipt of results and comments from laboratory interfaces.

Prior attendance in an Instrument Manager course for system builders and administrators and/or experience building and maintaining configurations in Instrument Manager is highly recommended.

Course Agenda

Day One: 9:00AM - 4:30PM

Welcome and Introductions

Participants' Learning Goals

IM's role in laboratory workflow

Boolean Operations and other IM Specific Considerations

IM Rules Engine
- *Device Rules*
    Request Rules, Result Rules
- *Specimen Management Rules*

Process of Design and Validation of Rules Using IM

Writing Device Rules
- *Request Rules*
    Changing the tests ordered based on data elements of the request
    Using Request rules in "Reverse Reflex" testing
- *Result Rules*
    Simple Rules, Hold all Results , Stop Processing Rules

Day Two: 9:00AM - 4:30PM

Testing Rules
- *Establishing the test criteria*
- *Finding the "edges"*
- *Documenting the test process*

Writing Device Rules (cont'd)
- *Setting Test Result rule*
- *Parent/Child rule*
- *Interaction of Mapping with Rules*
- *Moderately Complex Rules (value lists)*
    Flagging HIL Interferences
    Converting Quantitative results to Qualitative

Day Three: 9:00AM - 4:30PM

Writing Device Rules (cont'd)
- *Complex Rules*
    Delta Check
    Gender, age and/or race specific rules

Specimen Management Rules
- *Unique characteristics of Specimen Management Rules*
- *Writing Specimen Management Rules*
- *Using results from multiple instruments in calculations*

Testing Specimen Management Rules
- *Unique characteristics of testing specimen management rules*
- *Establishing the test criteria*
    Finding the "edges"
- *Documenting the test process*