CalREDIE HL7 Message Requirements Overview
Please refer to the CalREDIE ELR2PH Companion Guide for full specifications.

Required Segments
The following segments are required in HL7 messages sent to CalREDIE:

- MSH – Message Header
- SFT – Software
- PID – Patient Identification
- ORC – Order Control
- OBR – Observation Request
- OBX – Observation Result
- SPM – Specimen

NTE – Notes are optional segments and can be used for AOE questions. We prefer NTEs be sent after the OBX segment(s).

Fields of Special Notice
Please ensure the following fields are populated:

PID-10	Patient Race*; prefer actual code, but if unknown use "U" in 10.1
PID-11 & 13	Patient Address and Phone Number
PID-22	Patient Ethnicity*; prefer actual code, but if unknown, use "U" in 22.1
ORC-22 & 23	Ordering Facility Address and Phone Number (generally should be in CA)
ORC-24	Ordering/Referring Provider
OBR-13	Address Pregnancy status
OBR-16 & 17	Ordering Provider NPI, Name and Phone Number
OBR-22	Test Reported Date and Time
OBX-3.1	LOINC
OBX-8	Abnormal Flag; use N^Normal or A^Abnormal based on result outcome Test
OBX-17	Device (if over 20 characters, use OBX-17.2)
OBX-19	Test Resulted Date and Time
SPM2.2.1	Accession Number
SPM-4	Specimen Type or Material SNOMED code and text description Specimen
SPM-17	Collected Date and Time
SPM-18	Specimen Received Date and Time

Additional Considerations:

- When testing, avoid using patients with a Los Angeles or San Diego County residence address as these do not route to the CalREDIE system.
- It's helpful to send messages on new patients instead of using the same patient over and over.
- Use a new accession number for each test message, otherwise the message may be treated as a duplicate and will not processed.
- Send in a variety of test types to match the tests your location will be performing.
- Send in a variety of result outcomes (positive, negative, range of values, etc.) to match the outcomes your location will be reporting.

*Laboratories must report data on patients' race and ethnicity for all test results.