

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: Unknown
Gender: Unknown
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Lymphocyte Mitogen Proliferation

ARUP test code 0096043

Lymphocyte Mitogen Proliferation See Note

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

This test requires the submission of a client control sample to determine whether abnormal results observed in the patient sample are due to artifacts of specimen collection, transport, and/or handling, or patient condition. Abnormal patient results in the absence of a client submitted control sample should be correlated clinically and interpreted with caution.

| | Patient | | Client Control | | Lab Control | |
|-------------|---------|------|----------------|------|-------------|------|
| | CPM | SI* | CPM | SI* | CPM | SI* |
| Media alone | 82 | 1 | 80 | 1 | 54 | 1 |
| PHA 1:20 | 245121 | 2989 | 275295 | 3441 | 172914 | 3202 |
| PHA 1:50 | 162147 | 1977 | 178325 | 2229 | 110610 | 2048 |
| CON A 1:40 | 211449 | 2579 | 265508 | 3319 | 134159 | 2484 |
| CON A 1:200 | 32004 | 390 | 46632 | 583 | 66501 | 1232 |
| Media alone | 118 | 1 | 186 | 1 | 110 | 1 |
| PWM 1:40 | 131751 | 1117 | 124063 | 667 | 61476 | 559 |
| PWM 1:200 | 169900 | 1440 | 133206 | 716 | 90846 | 826 |

Interpretation:
Normal Lymphocyte responses to PHA.
Normal Lymphocyte responses to Con A.
Normal Lymphocyte responses to Pokeweed Mitogen.



Phytohemagglutinin, concanavalin A and pokeweed mitogen are tested independently in lymphocyte culture. Lymphocyte proliferation in response to the non-specific mitogens phytohemagglutinin (PHA), concanavalin A (Con A) and pokeweed (PW) are determined by 3H-thymidine incorporation.

Results are reported as counts per minute (CPM) mitogen stimulated versus a control culture and a stimulation Index (SI) which represents the ratio of CPM of the stimulated lymphocytes to the mean CPM of the unstimulated control.

SI* = Stimulation Index (CPM Mitogen/CPM Media alone)

INTERPRETIVE INFORMATION: Lymphocyte Mitogen Proliferation

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

H=High, L=Low, *=Abnormal, C=Critical

| VERIFIED/REPORTED DATES | | | | |
|----------------------------------|---------------|------------------|------------------|-------------------|
| Procedure | Accession | Collected | Received | Verified/Reported |
| Lymphocyte Mitogen Proliferation | 23-054-117773 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00 |

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical