ARUP LABORATORIES
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Jonathan R. Genzen, MD, PhD, Chief Medical Officer

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

Physician: Doctor, Example

Patient: Patient, Example

DOB	8/2/2023
Gender:	Male
Patient Identifiers:	01234567890ABCD, 012345
Visit Number (FIN):	01234567890ABCD
Collection Date:	00/00/0000 00:00

Maternal T Cell Engraftment in SCID

ARUP test code 2014699

Specimen, Maternal Engraftment	Whole Blood
Mat Engraftment, Informative Loci	5
Maternal Engraftment, Interpretation	Mixed

Patient and Maternal derived CD3 positive T cells present.
74% Maternally derived cells
26% Patient derived cells
1 Margin of error

The CD3+ cell content of the isolated fraction typically ranges from 92.4 - 99.8%.

This result has been reviewed and approved by [redacted]

BACKGROUND INFORMATION: Maternal T Cell Engraftment in SCID

INDICATION: Severe combined immunodeficiency (SCID) patients lack T cells and cannot recognize and reject maternal T cells from maternal-fetal transfusion. Maternal T cells can proliferate in the absence of host T cells, leading to difficulty in determining the host T cell numbers required for the diagnosis of SCID and/or can cause graft-versus-host disease-line (GVHD) presentation.

METHODOLOGY: PCR followed by capillary electrophoresis. Specimens are analyzed using 15 autosomal markers (D8S1179, D21S11, D7S820, CSF1PO, D3S1358, THO1, D13S317, D16S539, D2S1338, D19S433, vWa, TPOX, D18S51, D5S818, and FGA) and one gender marker (amelogenin).

LIMIT OF DETECTION: 2 percent of minor cell population.

LIMITATIONS: Diagnostic errors can occur due to rare sequence variations.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. 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
Specimen, Maternal Engraftment	23-279-401219	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Mat Engraftment, Informative Loci	23-279-401219	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Maternal Engraftment, Interpretation	23-279-401219	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