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☐ Llama3 (Image)

□ Qwen2.5VL (Image) □ OCR + Llama4 ☐ Llama 4 (Image)

☐ Gemini 2.5 Flash (Image) ☐ Gemini 2.5 Pro (Image) Process

Document Integrated **GENETICS** LabCorp Specialty Testing Group LCLS Specimen Number: 257-225-9004-0 Patient Name: SAMPLE REPORT, 052104 Date of Birth: 06/12/1985 Gender: F Patient ID: Lab Number: YU16-73624 A Indications: Cells Counted: 15 Colonies Counted: 15 Cells Analyzed: 15 CYTOGENETIC RESULT: 46,XX INTERPRETATION: NORMAL FEMALE KARYOTYPE

Client/Sending Facility: LabCorp Test Master

3060 South Church Street Burlington, NC 27215

POE-00

Account Number: 90000999

Date Collected: 09/13/2016

Date Received: 09/16/2016

Date Reported: 09/16/2016

Specimen Type: AMNIOTIC FLUID

Test Account

Ph: (336)436-8645

Ordering Physician:

Client Reference:

Cells Karyotyped: 2

Arundhati Chatterjee, MD

Peter Papenhausen, PhD

National Director of Cytogenetics

Medical Director

Band Resolution: 450

Test: Chromosome Amnio RFX CMA

Cytogenetic analysis of cultured amniocytes has revealed a FEMALE

karyotype with an apparently normal GTG banding pattern in all in-situ colonies or subcultured metaphases analyzed. This result does not exclude the possibility of subtle rearrangements below the resolution of cytogenetics or congenital anomalies due to other etiologies. 2. n. a di Inder K. Gadi, PhD, FACMG

Technical component performed by Laboratory Corporation of America Holdings, 1904 TW Alexander Drive, RTP, NC, 27709-0153 (800) 345-4363 Professional Component performed by LabCorp CLIA 34D1008914, 1904 TW Alexander Dr, Research Triangle Park, NC 27709. Medical Director, Arundhati Chatterjee, MD. Integrated Genetics is a brand used by Esoterix Genetic Laboratories, LLC, a wholly-owned subsidiary of Laboratory Corporation of America Holdings. This document contains private and confidential health information protected by state and federal law.

Board Certified Cytogeneticist

Request Sent to LLM OCR on sample lab report.tiff **Parsed Response from LLM**

sample_lab_report.tiff - ocr

Date of Birth: Gender:

Patient Name:

Patient ID:

LCLS Specimen Number:

Lab Number: Indications: Test: Cells Counted: Colonies Counted: Cells Analyzed: 257-225-9004-0

06/12/1985

YU16-73624 A

Test Account

Chromosome Amnio RFX CMA 15 15 15 CYTOGENETIC RESULT: 46,XX INTERPRETATION: NORMAL FEMALE KARYOTYPE Client/Sending Facility: LabCorp Test Master

SAMPLE REPORT, 052104

Ph: (336)436-8645 POE-00 Account Number: 90000999 Ordering Physician: Specimen Type: AMNIOTIC FLUID Client Reference: Date Collected: 09/13/2016

Date Received: 09/16/2016

3060 South Church Street

Burlington, NC 27215

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Corporation of America Holdings.

Technical component performed by Laboratory Corporation of America Holdings,

Professional Component performed by LabCorp CLIA 34D1008914, 1904 TW Alexander Dr, Research Triangle Park, NC

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1904 TW Alexander Drive , RTP , NC , 27709-0153 (800) 345-4363

27709. Medical Director, Arundhati Chatterjee, MD.

National Director of Cytogenetics **Trace ID** fbde8ac0d3f3e21e91597124cf1ed7db

Arundhati Chatterjee, MD

Peter Papenhausen, PhD

Request Sent to LLM

Medical Director

sample_lab_report.tiff - llava

Parsed Response from LLM

LLaVA inference on sample_lab_report.tiff

Trace ID

6bcbea64741785da89b1cd6984d4f028

Compare LLM Parsed Responses

Left Parsed Response

Compare

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Left: 4fb6e106-57d9-4fe2-baa2-916c3e81b412:sample_lab_report.tiff::ocr

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Right Parsed Response

\$\Right: 4fb6e106-57d9-4fe2-baa2-916c3e81b412:sample_lab_report.tiff::ocr

The image displays a close-up of a person's hand holding what appears to be a small object or device with a

focusing attention on the hand and the device. There are no visible texts or distinctive markings that would

screen and buttons, possibly an electronic device like a smartphone or game controller. The background is blurred,

provide further information about the device or its function. The style of the image suggests it might be used for