

## Demonstration Report (24<sup>th</sup> & 25<sup>th</sup> Aug'2023 at RFSL-Surat)

This is to certify that Demonstration of HiMedia's Instrument and Kits:

- LA1096 - InstaNX®Mag32 (Magnetic Bead Based Extraction System)
- MB554PC16200 - HiPurA®Multi-sample Pre-filled Cartridges for DNA Extraction
- MBPCR141- Hi-PCR® Cow-Buffalo Probe PCR Kit
- LA1073 - InstaQ96®Plus (Real-Time PCR)

Was conducted on 24<sup>th</sup> & 25<sup>th</sup> Aug'2023 at **Regional Forensics Laboratory (RFSL)-Surat**.

Below Samples types were processed for Extraction using InstaNX®Mag32:

| Sr. No. | Sample Type                            | Source |
|---------|--|--------|
| 1       | Bone                                   | Human  |
| 2       | Teeth                                  | Human  |
| 3       | Teeth                                  | Human  |
| 4       | Teeth                                  | Human  |
| 5       | Foetus- Tissue (Formaline)             | Human  |
| 6       | Foetus- Tissue (Fresh)                 | Human  |
| 7       | Pant (Fabric)- Blood Stained           | Human  |
| 8       | Pyjama (Fabric)- Blood & Semen Stained | Human  |
| 9       | Cotton Threads- Meat                   | Cattle |
| 10      | Cotton Threads- Meat                   | Cattle |
| 11      | Cotton Threads- Meat                   | Cattle |
| 12      | Meat (Tissue)                          | Cattle |

Below Samples were processed for Detection using InstaQ96®Plus & MBPCR141:

| Sr. No. | Sample Type          | Source |
|---------|----------------------|--------|
| 1       | Cotton Threads- Meat | Cattle |
| 2       | Cotton Threads- Meat | Cattle |
| 3       | Cotton Threads- Meat | Cattle |
| 4       | Meat (Tissue)        | Cattle |

The result generated for above samples was satisfactory.

*Kalyani*  
Asstt. Director  
Cum. Asstt. Chemical Examiner  
to the Govt. of Gujarat  
RFSL. SURAT-395003.

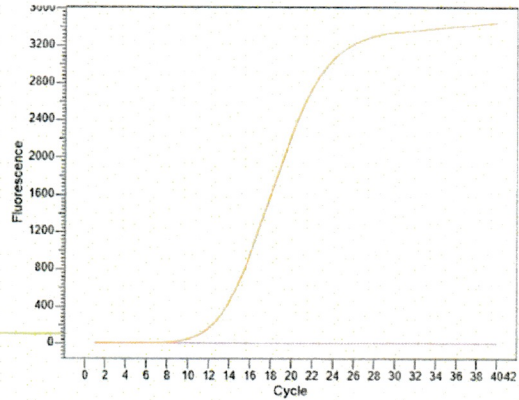
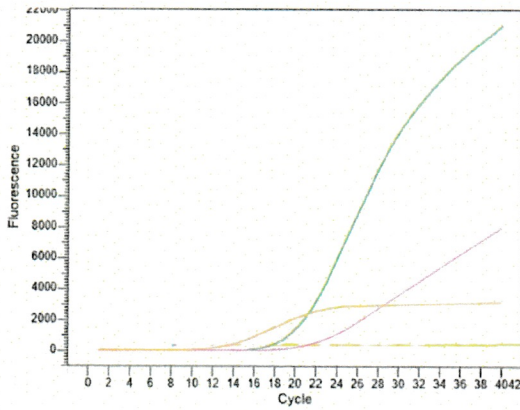
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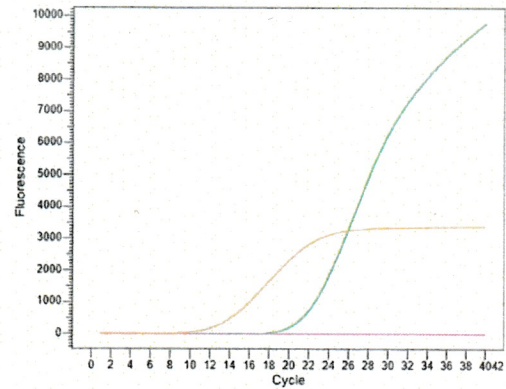
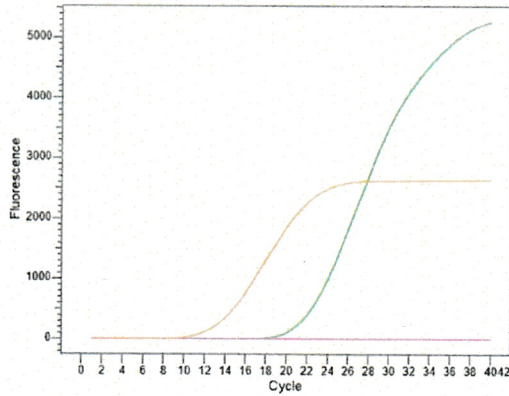


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| Target           | Dye    | Channel |
|------------------|--------|---------|
| COW              | FAM    | Green   |
| BUFF             | JOE    | Pink    |
| Internal Control | TexRed | Yellow  |



|                  |                  |
|------------------|------------------|
| Positive Control | Negative Control |
|------------------|------------------|



|                        |                        |
|------------------------|------------------------|
| Cotton Thread-Meat (B) | Cotton Thread-Meat (A) |
|------------------------|------------------------|

Authorized Signatory

*Kavita Khadke*

Dr. Kavita Khadke  
Director – Molecular Biology

*Kalpesdkh*

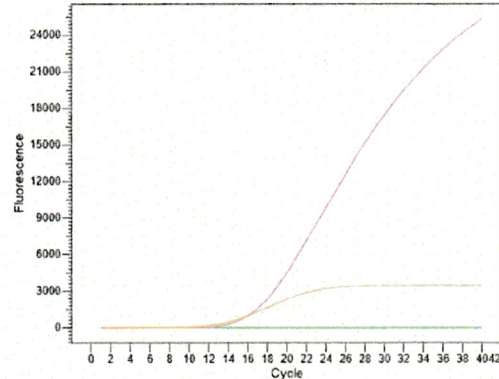
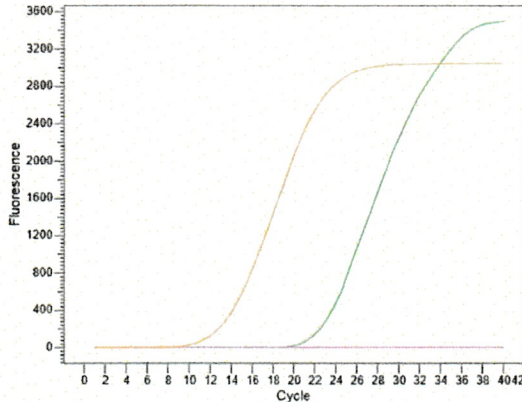
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|                        |             |
|------------------------|-------------|
| Cotton Thread-Meat (C) | Tissue-Meat |
|------------------------|-------------|

| Well | Target | Name                   | Dye    | Ct    | Remark           |
|------|--------|------------------------|--------|-------|------------------|
| A06  | BUFF   | Positive Control       | JOE    | 23.93 | PositiveControl  |
| A06  | COW    | Positive Control       | FAM    | 19.25 |                  |
| A06  | IC     | Positive Control       | TexRed | 13.97 |                  |
| B06  | BUFF   | Cotton Thread-Meat (B) | JOE    |       | Cow Positive     |
| B06  | COW    | Cotton Thread-Meat (B) | FAM    | 23.81 |                  |
| B06  | IC     | Cotton Thread-Meat (B) | TexRed | 14.43 |                  |
| C06  | BUFF   | Cotton Thread-Meat (A) | JOE    |       | Cow Positive     |
| C06  | COW    | Cotton Thread-Meat (A) | FAM    | 22.48 |                  |
| C06  | IC     | Cotton Thread-Meat (A) | TexRed | 13.75 |                  |
| D06  | BUFF   | Cotton Thread-Meat (C) | JOE    |       | Cow Positive     |
| D06  | COW    | Cotton Thread-Meat (C) | FAM    | 25.56 |                  |
| D06  | IC     | Cotton Thread-Meat (C) | TexRed | 14.24 |                  |
| E06  | BUFF   | Tissue-Meat            | JOE    | 16.21 | Buffalo Positive |
| E06  | COW    | Tissue-Meat            | FAM    |       |                  |
| E06  | IC     | Tissue-Meat            | TexRed | 13.83 |                  |
| F06  | BUFF   | Negative Control       | JOE    |       | NegativeControl  |
| F06  | COW    | Negative Control       | FAM    |       |                  |
| F06  | IC     | Negative Control       | TexRed | 13.87 |                  |

**Conclusion:**

The results demonstrate that DNA extracted from samples, Cotton Thread-Meat (A, B & C) are positive for Cow, whereas Meat-Tissue is positive for Buffalo. The result generated for above samples was satisfactory.

Authorized Signatory

*Kavita Khadke*

**Dr. Kavita Khadke**  
Director – Molecular Biology

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