Where Tissue Meets Tech

Over 2 Million Digital Diagnoses Leveraging Technology Built to Optimize and Enhance the Entire Pathology Ecosystem

NUMEA





How It Started:

The Digital Dilemma



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The Value of Standardization

Proof of Concept



NUMEA

Tissue First



VS

The **BxBoard**





LAT BASE 1 2 3 4 5 6



The **BxBoard**





Even plane for tissue fixation means less tissue folding and coiling

Reduce formalin per prostate case by **89%**

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Customer data shows that the **BxBoard** enables a **12%** increase in core length

In the Lab

The BxChip

%LUME∧



The **BxChip**



*83% reduction

in stain costs and storage space for slides & blocks

*76% time reduction

in grossing, embedding, and microtomy

*14.5% average increase

in histologic tissue surface area (mm2) on the glass slide

Smart Tissue Camera

Grossing Automation

Efficiency and Quality Assurance:

The camera uses machine learning for auto-grossing, streamlining data entry into templates or MACROs, saving time.

Versatile Specimen Processing:

The system is **adept at grossing a wide array** of specimens.

Software Integration for Enhanced Efficiency:

Lumea's user-friendly software seamlessly **integrates into any existing Laboratory Information System** (LIS).

Advanced Digital Pathology Features:

The system **includes a digital pathology AI grossing outline**, which accurately maps around the tissue in a cassette.



Lumea's grossing automation employs AI and a camera for rapid, accurate measurement of any specimen (88305 size). For example, reduces the 30–60-minute process of processing a 12-core prostate biopsy to just 5-10 minutes on average

Standardizing the Workflow

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Seamless Ordering

No paperwork and/or faxing

EMR Integrations

Allow results to upload into patient charts instead of snail mailed results

53% Faster TAT

Single digit days instead of 3 weeks to a month

Prevent Tissue Loss In transit

Reduce QNS rates

10-15% more cancer detection

Than national average





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76% decrease in tech time *per prostate biopsy*



50 sigi

50% reduction in sign-out time



Up to **136% reduction** in biohazard waste



31.8% average increase in tissue on slide



Up to **83% reduction** in cassettes & glass slides, overall storage



10-15% increase in cancer detection rates \checkmark

10-15% higher cancer detection rates

Patient

53% faster

turnaround time

Moving Forward

• Soft tissue including: G.I., breast biopsy specimen transporting and processing in histology





Questions?

Where Tissue Meets Tech

