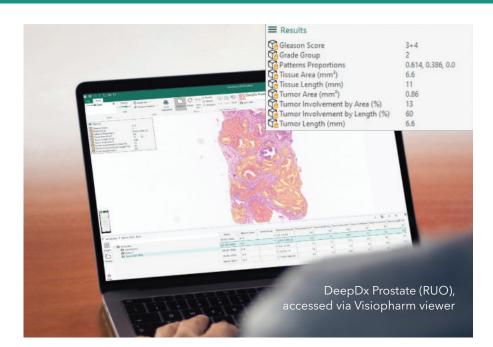


# DeepDx Prostate (RUO): Advanced AI for prostate biopsy analysis



DeepDx Prostate (RUO), developed by Deep Bio, is an AI-powered research tool for quantitative prostate biopsy analysis. It provides structured, scalable, and automated insights, enabling data-driven research with precision and confidence. Designed to enhance efficiency, it streamlines and optimizes laboratory workflows.



# **Enhanced Efficiency**

Streamlined workflows with automated Gleason grading and tissue measurements



## **Standardized Grading**

Reduce inter- and intra-observer variability and subjectivity



## **Quantitative Insights**

Leverage Al-driven analysis for consistent and reproducible research data

# **Key Features**

#### **Tumor localization and categorization:**

- Gland-level identification of tumorous areas
- Gleason Pattern classification and gland-level tumor localization

#### **Pathologist Assistance On-Demand:**

- Instant analysis of Gleason Scores
- Percentage quantification of Gleason patterns
- Automated assessment of tumor volume, tumor length and tissue length

#### **Use cases**

Prioritizing cases for timely review

Supporting efficient case review

Ensuring real-time quality control measures

# Our Distinctive Edge

DeepDx Prostate (RUO) stands out through real-world application, processing over 700,000 core needle biopsies in the US, making it one of the most extensively vetted. Its unique gland-level analysis offers enhanced precision and accuracy over competitors. DeepDx Prostate (RUO) is designed to support research-driven analysis, enabling consistency and efficiency in prostate biopsy studies through AI-powered quantitative insights.

# Analytical Performance in Published Research

DeepDx Prostate (RUO) demonstrates reproducible results across global research datasets, delivering consistent outputs without requiring site-specific calibration.

Sensitivity Specificity Positive Predictive Value (PPV) Negative Predictive Value (NPV) 99% 95%

These findings, as published in peer-reviewed literature, demonstrate the robust analytical performance of DeepDx Prostate (RUO) under research conditions. It is designed to support efficient research workflows by enabling streamlined analysis and high-throughput data analysis.

## **Product details**

Product name	DeepDx Prostate (RUO)
Product model & code	DeepDx Prostate-v1R   DXPR05-R
Supported File Formats	Compatible with all WSI formats supported by the Visiopharm Viewer
Regulatory Compliance	Research Use Only (RUO)

#### Client testimonials

#### **Laboratory Economics**

Volume 16, No.5, May 2021 Issue

"This tool is very helpful for quality assurance in that it enables the pathologist to re-look at areas that they did not annotate originally, but that the AI algorithm did, and determine if there are additional areas of interest that require their attention."

#### Hillel Kahane, MD

GU Pathologist, PathNet

#### The Pathologist

March 2021 Issue

"I can instantly check the results from DeepDx Prostate with a simple click of a button, sometimes revealing small areas of concern that I would have missed had I not had the tool running in the background."

#### Matthew Leavitt, MD

Founder & Former CEO of PathNet

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