

Virtual IHC Analysis Report

Analysis Information

Session ID:	7ee3f697-a8b6-4dc2-b62e-855322ec4121
Original File:	00942_test_2.png
Analysis Date:	2025-10-30 07:18:26
Processing Time:	0:00:05
Status:	COMPLETED

Analysis Results

HER2 Status:	equivocal
Confidence Score:	54.4%
Cancer Grade:	Grade 2
Biomarker Expression:	44.4%
Staining Intensity:	moderate

Quantitative Analysis

Positive Cells:	484
Total Cells:	1092
Positive Percentage:	44.3%
Stained Area:	39.1%

Summary

Summary: AI analysis shows HER2 status as EQUIVOCAL with 54.4% confidence.

Key Findings:

- HER2 Status: EQUIVOCAL
- Cancer Grade: Grade 2
- Biomarker Expression: 44.4%

- Staining Intensity: moderate

Analysis performed using advanced AI image conversion from H&E; to virtual IHC.

Recommendations

Recommendations:

- Equivocal result requires additional testing
- Consider FISH analysis for confirmation
- Repeat IHC staining with fresh tissue if available
- Clinical correlation recommended

Technical Notes

Technical Analysis Notes:

Image Processing:

- Original H&E; image successfully processed
- Virtual IHC generation completed using deep learning model
- Image quality: Suitable for analysis

Analysis Parameters:

- Model confidence: 54.4%
- Processing time: 5.3 seconds
- Image resolution: Maintained from original

Quality Metrics:

- Biomarker detection accuracy: High
- Morphological preservation: Excellent
- Artifact level: Minimal

DISCLAIMER: This report is generated using AI-based virtual IHC analysis for research and educational purposes. Results should be validated with traditional IHC methods for clinical decision-making.