

Virtual IHC Analysis Report

Analysis Information

Session ID:	314df687-e00e-4fed-8b07-9edebcac5709
Original File:	download.jpeg
Analysis Date:	2025-08-10 07:15:01
Processing Time:	0:00:03
Status:	COMPLETED

Analysis Results

HER2 Status:	positive
Confidence Score:	78.9%
Cancer Grade:	Grade 3
Biomarker Expression:	87.3%
Staining Intensity:	strong

Quantitative Analysis

Positive Cells:	999
Total Cells:	1146
Positive Percentage:	87.2%
Stained Area:	69.9%

Summary

Summary: AI analysis shows HER2 status as POSITIVE with 78.9% confidence.

Key Findings:

- HER2 Status: POSITIVE
- Cancer Grade: Grade 3
- Biomarker Expression: 87.3%

- Staining Intensity: strong

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

Recommendations

Recommendations:

- Consider HER2-targeted therapy (e.g., trastuzumab)
- Evaluate for combination with chemotherapy
- Monitor for cardiotoxicity during treatment
- Consider genetic counseling if familial history present

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: 78.9%
- Processing time: 4.0 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.