## **ASI Genesis QUICKSTART**

### (9/2/2024)

-Open Genesis->Case Data Manager (CDM)

Click on "Save Filter" (upper R)

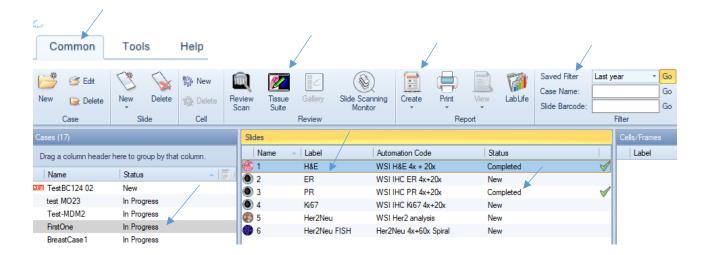
Select: Path WSI review, last year, etc.->cases (L window)->example case "FirstOne"

(or "test219") and select a slide in a case

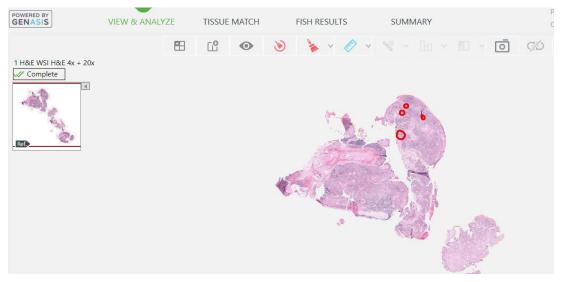
(H&E in middle window);

Note the scan that was done (Status: Completed)

-> click "Tissue Suite"

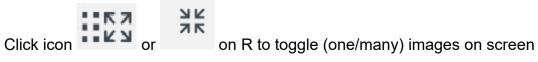


### H&E slide shows:

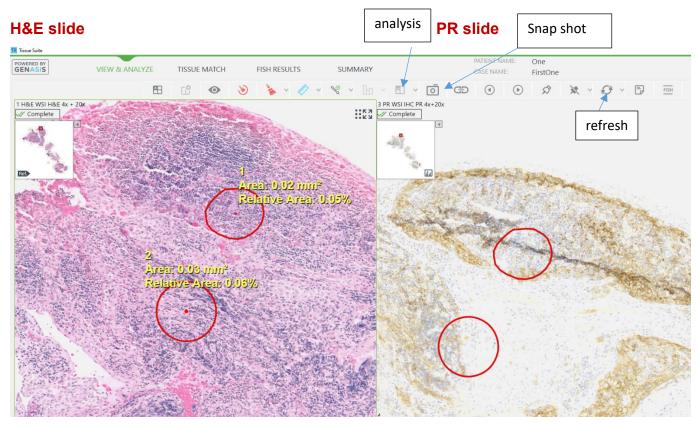




Toggle (Link/Unlink) button for desired option (linking/non-linking images for simultaneous review of corresponding areas)



-One can put H&E and IHC slide side by side for comparison



-Images typically already have links (2 points on an object) that had been prepared by

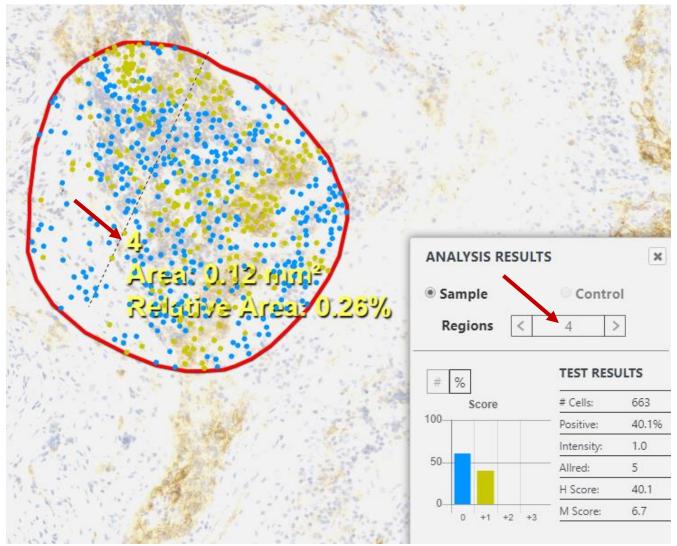
ΜT

-To get software-assisted counting:

Select a drawing method



hold L mouse while drawing area (circle/free hand/brush, etc.) on selected H&E slide, [hold "control" to change size of circle, brush, etc.] Click "refresh" (or update) button to populate all slides in the same section with area of interest (area just drawn on H&E -> duplicates to IHC stain) R click on an annotated area of IHC slide-> select "analyze"



-Toggle "Regions" in box to see positive rate for each area (Region 1, 2, 3, 4, All, etc.) -software will automatically show: xx% of cells with PR stain intensity (example 40% with pos +1)

-Each area of interest will show cells with different colors (stain grades: blue is neg, green is pos)

-To delete region of interest: R click on region, "Delete region"

-Click "analysis" [11] /all -> analysis of all stains in all areas of interests

-To create a summary report with snap shots:

In "Tissue Suite", go to each slide to "snapshot" of selected areas to show in report,

X out to "Common" Tab (CDM)

Highlight all slides (using shift)

Name	<ul> <li>Label</li> </ul>	Automation Code	Status	
1	H&E	WSI H&E 4x + 20x	Completed	,
2 🔘	ER	WSI IHC ER 4x+20x	New	
3 🕽 🕽	PR	WSI IHC PR 4x+20x	Completed	,
) 4	Ki67	WSI IHC Ki67 4x+20x	New	
5 🜔	Her2Neu	WSI Her2 analysis	New	
6	Her2Neu FISH	Her2Neu 4x+60x Spiral	New	



"Create" -> select a template (for example, Breast Panel with SnapShot

report), display will show summary report:



#### Case: FirstOne

Full Name:	One	Date Reported:
Date of Birth:	10/23/2023	Referring Physician:
Patient ID:		Tissue Type :
Date Collected:	10/23/2023 4:12:56 PM	Patient Gender:

Stain	Images	Results	
H&E			
Her2Neu			
ER			
PR	diamagna hereitari 240 µm	Sample: Counted cells: 1049 #Cells: 1049 Positive: 36.3% Intensity: 1.0 Allred: 5 H Score: 46.8 M Score: 7.8	
Ki67			

Reference Ranges			
	Positive		negative
ER	≥ 1		< 1
PR	≥ 1		< 1
P53	≥ 1		< 1
	Favorable	Borderline	Unfavorable
Ki-67	< 10	≥10-≤20	> 20
	Normal Expression	Borderline	Overexpression
Her2/neu	< 1.5	≥1.5-<2.5	≥ 2.5 - 5.0

Case Results

Comments			
	Positive		negative
ER	≥ 1		< 1
PR	≥ 1		< 1
P53	≥ 1		< 1
	Favorable	Borderline	Unfavorable
Ki-67	< 10	≥10-≤20	> 20
	Normal Expression	Borderline	Overexpression
Her2/neu	< 1.5	≥1.5-<2.5	≥ 2.5 - 5.0

Case Results

	Comm	ients	
	Positive		negative
ER	≥ 1		< 1
PR	≥ 1		< 1
P53	≥ 1		< 1
	Favorable	Borderline	Unfavorable
Ki-67	< 10	≥10-≤20	> 20
	Normal Expression	Borderline	Overexpression
Her2/neu	< 1.5	≥1.5-<2.5	≥ 2.5 - 5.0

Case Results

Pathologist Signature

Report Date: Friday, October 27, 2023

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-Click Help/Operation Manual to show manuals (integrated with software, can be saved from CDM software, typically having hundreds of pages); -Downloaded PathFusion Manual



# **Operation Manuals**

# For information on the relevant product, click one of the links in the list below:

**HiBand Operation Manual** 

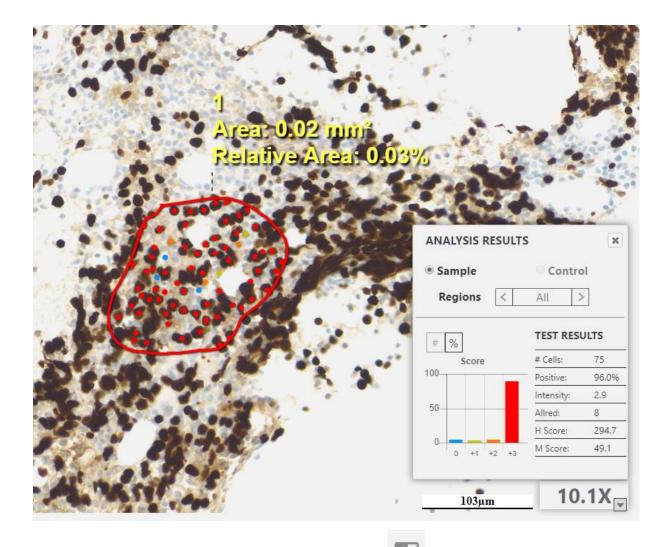
**HiFISH Operation Manual** 

CytoPower Operation Manual

HiPath Pro Operation Manual

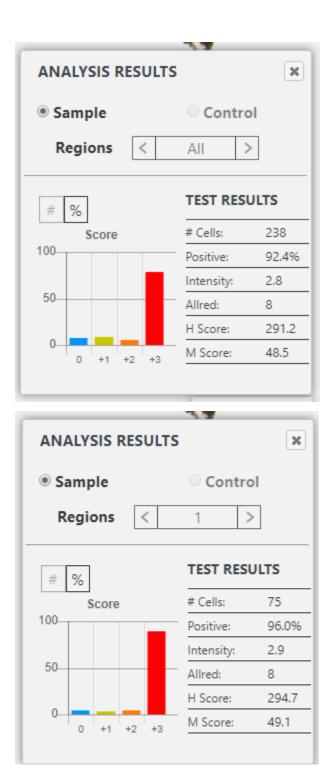
PathFusion Operation Manual

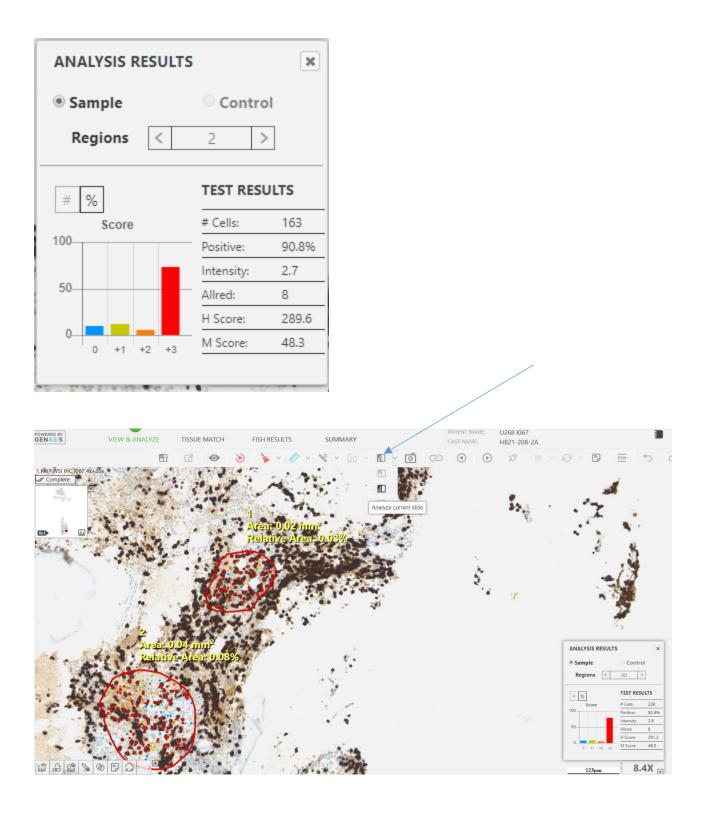
-Manual reading: General IHC materials start from page 265 IHC for Ki67 starts from page 273 Example of Ki67 (HB-21-208 2A): draw area #1, analyze->96% positive



-Create more area of interest (#2), click "Analyze" -> analyze current slide,

All results are shown on box, scroll through regions to see Ki67 (all regions, region 1, region 2, etc)





- To create a "Case Pathology Report" with snapshot:

Use mouse to put the area of interest (example area #1) in a free-hand enclosure





: "Case Pathology Report"->display of report

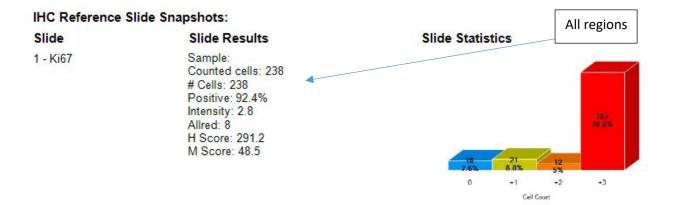


## CASE PATHOLOGY REPORT

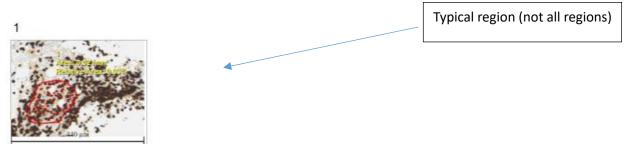
PATIE	ENT INFORMATION	ACCESSION DETAILS
Patient First Name:	U268 Ki67	Case Name: HB21-208-2A
Date of Birth:	10/25/2023	Specimen:
Gender:		Collection Date: 10/26/2023
Address:		REFERRING PHYSICIAN
Phone:		REFERRING PHT SICIAN
		Name:

### RESULT

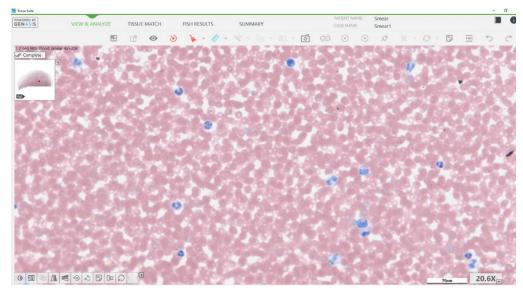
### **TEST INTERPRETATION**



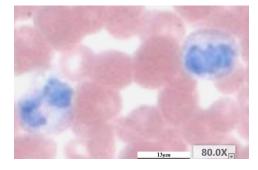
#### Snapshots:



-A PBS was test-scanned at 20x (no oil); the 20x view is shown, rather blurry, not adequate for diagnosis.



The image can be digitally magnified to 40x and 80x but it is even more blurry



-When done with analysis->X out