

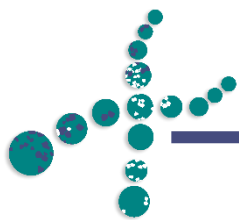
HiBand Product Specifications



	Manual 1 Slide System	9 Slides Scanning System	99 Slides Scanning System with Tray-Loader
Microscope Supported	BF upright microscopes	OLYMPUS BX61 BF OLYMPUS BX63 BF ZEISS Axiomager Z2 BF	OLYMPUS BX61 BF OLYMPUS BX63 BF ZEISS Axiomager Z2 BF
Objectives	10x/0.3NA 100x/1.3NA	1.25x/0.04NA 10x/0.3NA 100x/1.3NA	1.25x/0.04NA 10x/0.3NA 100x/1.3NA
Camera	5MP CMOS Monochrome	5MP CMOS Monochrome	5MP CMOS Monochrome
Slide capacity	1 Slide	9 Slides	99+ Slide
Barcode Reader	Handheld 1D/2D	Handheld 1D/2D	Integrated 1D/2D
Automated Oil Dispenser	N/A	Optional	Integrated
Computer	According to "Minimal Specs" document	DELL Precision Series	DELL Precision Series
Scan + Capture time [mm:ss]	N/A	4:00 min	4:00 min
File Format	TIFF JPEG	TIFF JPEG	TIFF JPEG
Dimensions (WxLxH)	According to clients microscope	61cm x 69cm x 85cm (24"x27.2"x33.5")	100cm x 90cm x 90cm (39.4"x 35.5"x 35.5")
Weight (incl. microscope)	According to clients microscope	45kg 99.2lb	80kg 176.4lb

Notes:

- 1.25x/0.04NA objective is optional, required for amniotic fluid samples only, for colonies detection and must be accompanied with the automatic condenser
- Scan + Capture time measured by: Full slide scanning (10X magnification) + acquisition of 20 metaphases under 100X magnification
- Scan + Capture time for aided karyotyping workflow may take up to 6:00 minutes, system shall fulfil minimal HW specifications
- Dimensions include the footprint of the microscope +stage/ Tray-Loader+ microscope. not including PC and monitor
- Weight does not include the PC and monitor



HiBand Product Specifications

Storage Requirements

Mode	No. of Regions per Slide	Low Res. Scan Magnification	High Res. Scan Magnification	Number of Metaphases Captured In High Res.	Number of Metaphases Analyzed	Total Storage	Post Cleanup
Manual Aquisition	1	-	100x	-	10	41MB	41MB
Scanning mode	1	10x	100x	20	10	64MB	41MB

Notes:

- During cleanup process, scanning data is cleaned and only analyzed metaphases are left



HiFISH Product Specifications



	Manual 1 Slide System		9 Slides Scanning System		99 Slides Scanning System with Tray-Loader	
Microscope Supported	FL upright microscopes		OLYMPUS BX61 FL OLYMPUS BX63 FL ZEISS AxioImager Z2 FL		OLYMPUS BX61 FL OLYMPUS BX63 FL ZEISS AxioImager Z2 FL	
Objectives	Olympus 10x/0.3NA 60x/1.25NA	ZEISS 10x/0.3NA 63x/1.25NA	Olympus 4x/0.16NA 10x/0.3NA 40x/1.4NA 60x/1.42NA	ZEISS 5x/0.16NA 10x/0.3NA 40x/1.3NA 63x/1.4NA	Olympus 4x/0.16NA 10x/0.3NA 40x/1.4NA 60x/1.42NA	ZEISS 5x/0.16NA 10x/0.3NA 40x/1.3NA 63x/1.4NA
Camera	5MP CMOS Monochrome		5MP CMOS Monochrome		5MP CMOS Monochrome	
Slide capacity	1 Slide		9 Slides		99+ Slide	
Barcode Reader	Handheld 1D/2D		Handheld 1D/2D		Integrated 1D/2D	
Automated Oil Dispenser	N/A		Optional		Integrated	
Computer	According to "Minimal Specs" document		DELL Precision Series		DELL Precision Series	
One slide scanning time [mm:ss]	N.A.		1:30 - 5:00 min		1:30 - 5:00 min	
File Format	TIFF JPEG		TIFF JPEG		TIFF JPEG	
Dimensions (WxLxH)	According to clients microscope		61cm x 69cm x 85cm (24"x27.2"x33.5")		100cm x 90cm x 90cm (39.4"x 35.5"x 35.5")	
Weight (incl. microscope)	According to clients microscope		45kg 99.2lb		80kg 176.4lb	

Notes:

- 4x/0.16NA/ 5x/0.16NA objectives are optional, required for Tissue FISH samples only
- 40X objective is optional for high magnification Tissue FISH scan
- Slide scanning time measured for 500 cells detected with 3 color layers for various cell sample densities
- Dimensions include the footprint of the microscope +stage/ Tray-Loader+ microscope. not including PC and monitor
- Weight does not include the PC and monitor



HiFISH Product Specifications

Storage Requirements

Mode	No. of Regions per Slide	Low Res. Scan Magnification	High Res. Scan Magnification	Number of Signal Layers	Number of Cell Images	Number of Metaphases	Total Storage	Post Cleanup
Density Scan	1	10x	60x	3	400	-	350MB	Up to 10MB
Dual Scan	1	10X	60x	3	200	5	290MB	Up to 25MB
Tissue FISH Scan	1	4X	60x	3	200	-	173MB	Up to 10MB

Notes:

- During cleanup process, scanning data is cleaned and only analyzed data is left
- Density scan is an optimal scanning mode in terms of scanning speed for sparse to dense slide spread
- Dual scan is a quality control scanning mode, in which interphase and metaphase cells are captured simultaneously in one scan. Used to identify probe signals on chromosomes to confirm FISH analysis accuracy



CytoPower Product Specifications



	Manual 1 Slide System		9 Slides Scanning System		99 Slides Scanning System with Tray-Loader	
Microscope Supported	BF + FL upright microscopes		OLYMPUS BX61 BF + FL OLYMPUS BX63 BF+ FL ZEISS AxioImager Z2 BF+ FL		OLYMPUS BX61 BF+ FL OLYMPUS BX63 BF+ FL ZEISS AxioImager Z2 BF+ FL	
Objectives	Olympus 10x/0.3NA 60x/1.25NA 100x/1.3NA	ZEISS 10x/0.3NA 63x/1.25NA 100x/1.3NA	Olympus 1.25x/0.04NA 4x/0.16NA 10x/0.3NA 40x/1.4NA 60x/1.42NA 100x/1.3NA	ZEISS 1.25x/0.03NA 5x/0.16NA 10x/0.3NA 40x/1.3NA 63x/1.4NA 100x/1.3NA	Olympus 1.25x/0.04NA 4x/0.16NA 10x/0.3NA 40x/1.4NA 60x/1.42NA 100x/1.3NA	ZEISS 1.25x/0.03NA 5x/0.16NA 10x/0.3NA 40x/1.3NA 63x/1.4NA 100x/1.3NA
Camera	5MP CMOS Monochrome		5MP CMOS Monochrome		5MP CMOS Monochrome	
Slide capacity	1 Slide		9 Slides		99+ Slide	
Barcode Reader	Handheld 1D/2D		Handheld 1D/2D		Integrated 1D/2D	
Automated Oil Dispenser	N/A		Optional		Integrated	
Computer	According to "Minimal Specs" document		DELL Precision Series		DELL Precision Series	
One slide scanning time [mm:ss]	N.A.		Karyotyping: 4:00 min FISH: 1:30 - 5:00 min		Karyotyping: 4:00 min FISH: 1:30 - 5:00 min	
File Format	TIFF JPEG		TIFF JPEG		TIFF JPEG	
Dimensions (WxLxH)	According to clients microscope		61cm x 69cm x 85cm (24"x27.2"x33.5")		100cm x 90cm x 90cm (39.4"x 35.5"x 35.5")	
Weight (incl. microscope)	According to clients microscope		45kg 99.2lb		80kg 176.4lb	

Notes:

- 1.25x/0.04NA objective is optional, required for amniotic fluid samples only, for colonies detection and must be accompanied with the automatic condenser
- 4x/0.16NA/ 5x/0.16NA objectives are optional, required for Tissue FISH samples only
- 40X objective is optional for high magnification Tissue FISH scan
- One slide scanning time was measured by: KRT: 04:00 full slide scanning (10X magnification) + acquisition of 20 metaphases under 100X magnification. FISH: Time measured for 500 cells detected with 3 color layers for various cell sample densities
- Scan + Capture time for aided karyotyping workflow may take up to 6:00 minutes, system shall fulfil minimal HW specifications
- Dimensions include the footprint of the microscope +stage/ Tray-Loader+ microscope. not including PC and monitor
- Weight does not include the PC and monitor



CytoPower Product Specifications

Storage Requirements

Mode	No. of Regions per Slide	Low Res. Scan Magnification	High Res. Scan Magnification	Number of Signal Layers	Number of Cell Images	Number of Metaphases Captured In High Res.	Number of Metaphases	Total Storage	Post Cleanup
Metaphase scan and capture	1	10x	100x	-	-	20	10	64MB	41MB
FISH - Density Scan	1	10x	60x	3	400	-	-	350MB	Up to 10MB
FISH - Dual Scan	1	10x	60x	3	200	-	5	290MB	Up to 25MB
Tissue FISH	1	4X	60x	3	200	-	-	173MB	Up to 10MB

Notes:

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- Density scan is an optimal scanning mode in terms of scanning speed for sparse to dense slide spread
- Dual scan is a quality control scanning mode, in which interphase and metaphase cells are captured simultaneously in one scan. Used to identify probe signals on chromosomes to confirm FISH analysis accuracy