

Fluorescence Filter Cubes

Leica DM6B

#	Name	Cube	Excitation filter	Emission filter
0	DIC	POL	DIC	DIC
1	Dapi	A4	BP 340-380	BP 450-490
2	DEAC	D	BP 431-441	BP 473-498
3	TRITC	N2.1	BP 532-554	BP 573-613
4	Texas Red	TXR	BP 540-580	BP 593-668
5	FITC	L5	BP 460-500	BP 512-542
6	Cy5	Y5	BP 590-650	BP 662-737
7	Cy7	Y7	BP 672-747	BP 765-855

Leica DMRA

#	Name	Cube	Excitation filter	Emission filter
0	Dapi	A4	BP 340-380	BP 450-490
1	DEAC	D	BP 431-441	BP 473-498
2	FITC	L5	BP 460-500	BP 512-542
3	TRITC		BP 510-560	BP 572-647
4	Texas Red	TXR	BP 540-580	BP 593-668
5	Cy5	Y5	BP 590-650	BP 662-737
6	Cy7	Y7	BP 672-747	BP 765-855
7	IR800		BP 720-760	LP 780

Leica DMRB

#	Name	Cube	Excitation filter	Emission filter
1	Texas Red	TXR	BP 540-580	BP 593-668
2	D/F/R			
3	...	A	BP 340-380	LP 425
4	...	I3	BP 450-490	LP 515

IncuCyte S3

Excitation filter	Emission filter
BP 513-568 BP 648-674	BP 577-641 BP 684-771

Andor DragonFly 500

Emission filter
BP 450/50
BP 480/40
BP 525/50
BP 540/30
BP 620/60
BP 700/75
BP 724/40
BP 470/25 BP 535/30

Andor DragonFly 200

Emission filter
BP 445/46
BP 521/38
BP 594/43
BP 698/77
BP 522/45 LP 573
BP 445/58 BP 521/47 BP 594/42 BP 698/94
Polarizer

Leica AF6000

#	Name	Cube	Excitation filter	Emission filter
0	Dapi	A4 (ATL)	BP 340-380	BP 450-490
1	YFP	YFP	BP 490-510	BP 520-550
2	CFP/YFP/DiD	TRI CYD	BP 420-435 BP 502-517 BP 610-640	BP 450-480 BP 530-590 BP 665-755
3	RFP	RFP	BP 545-551	BP 570-640
4	DAPI/FITC/ TexasRed	TRI B/G/R	BP 405-435 BP 487-502 BP 560-580	BP 455-475 BP 515-545 BP 620-660
5	Cy5	Cy5	BP 590-650	BP 662-737
6	Analysator	ANA	DIC	DIC

Leica DMI6000

#	Name	Cube	Excitation filter	Emission filter
0	Analysator	ANA	DIC	DIC
1	DAPI/FITC/ TexasRed	TRI B/G/R	BP 405-435 BP 487-502 BP 560-580	BP 455-475 BP 515-545 BP 620-660
2	Dapi	A4 (ATL)	BP 381-392	BP 417-477
3	FITC	L5	BP 460-488	BP 502-547
4	Cy5	Cy5	BP 626-644	BP 659-701
5	IR	IR	980 laser	SP 680

3DHISTECH Pannoramic 250

#	Name	Cube	Excitation filter	Emission filter
0	QUAD	DAPI_Q/ FITC_Q/ TRITC_Q/ CY5_Q	BP 381-392 BP 475-489 BP 547-572 BP 643-656	BP 420-460 BP 510-531 BP 590-624 BP 677-722
1	AQUA		BP 426-450	BP 467-499
2	FITC		BP 460-488	BP 502-547
3	YFP		BP 498-520	BP 532-556
4	TRITC		BP 532-554	BP 573-613

Zeiss Axio Scan.Z1

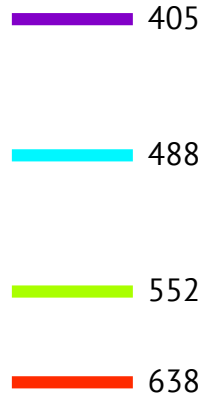
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0	QUAD	90 HE LED		BP 425/30 BP 514/30 BP 592/30 BP 709/100
1	DAPI	49	SP 365	BP 445/50
2	CFP	47 HE	BP 436/25	BP 480/40
3	GFP	38 HE	BP 470/40	BP 525/50
4	Cy3	43 HE	BP 550/25	BP 605/70
5	mCherry	64 HE	BP 587/25	BP 647/70
6	Cy5	50	BP 640/30	BP 690/50
7	Cy7		BP 710/75	LP 760

Confocal Laser Lines

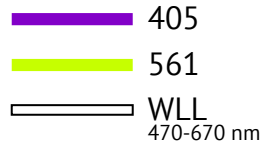
**Leica SP5
inverted**
(S1-17)



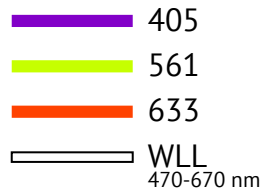
**Leica SP8
upright**
(S1-17)



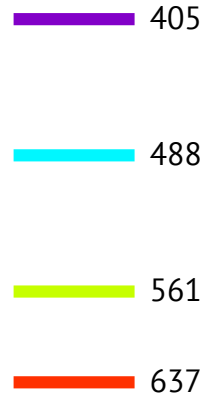
**Leica SP8 WLL 1
inverted**
(S1-17)



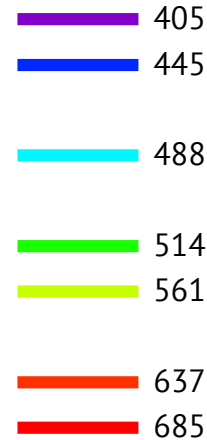
**Leica SP8 WLL 2
inverted**
(S1-17)



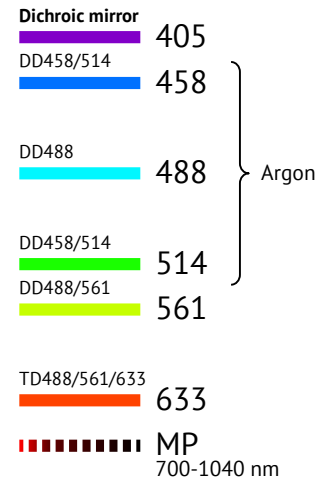
**Dragonfly 200
inverted**
(S1-17)



**Dragonfly 500
inverted**
(S1-17)



**Zeiss LSM710 NLO
upright**
(PDC E0-15)



Objective Lenses

Leica SP5 inverted

(S1-17)

10	HC PL APO 10x/0.40 CS
40	HC PL FL L 40x/0.60 CORR
20	HC PL APO 20x/0.70 IMM CORR CS
40	HCX PL APO 40x/1.25-0.75 OIL CS
63	HCX PL APO 63x/1.40-0.60 OIL
100	HCX PL APO 100x/1.40-0.70 OIL CS
5	HCX PL FL 5x/0.15

Leica SP8 upright

(S1-17)

10	HC PL FL 10x/0.30
20	HC PL APO 20x/0.70
40	HC PL APO 40x/1.30 OIL CS2
63	HC PL APO 63x/1.40 OIL CS2
100	PL FL 100x/1.30 OIL

Leica SP8 WLL 1 inverted

(S1-17)

10	HC PL APO 10x/0.40 CS
40	HC PL FL L 40x/0.60 CORR
40	HC PL APO 40x/1.30 OIL CS2
63	HC PL APO 63x/1.40 OIL CS2
100	HCX PL APO 100x/1.40-0.70 OIL CS
25	HC PL FL 25x/0.75 OIL

Leica SP8 WLL 2 inverted

(S1-17)

10	HC PL APO 10x/0.40 CS2
20	HC PL APO 20x/0.75 CS2
40	HC PL APO 40x/1.30 OIL CS2
63	HC PL APO 63x/1.40 OIL CS2

Dragonfly 200 inverted

(S1-17)

10	HC PL FL 10x/0.30
40	HCX PL APO 40x/1.30 OIL CS
63	HCX PL APO 63x/1.40-0.60 OIL CS
10	HC APO L 10x/0.30 W U-V-I
20	HC APO L 20x/0.50 W U-V-I
40	HC APO L 40x/0.80 W U-V-I

Dragonfly 500 inverted

(S1-17)

10	HC PL APO 10x/0.40
20	HC PL APO 20x/0.75 IMM CORR CS2
40	HCX PL APO 40x/1.30 OIL
63	HCX PL APO 63x/1.40-0.60 OIL
100	HC PL APO 100x/1.47 OIL CORR TIRF

Zeiss LSM710 NLO upright

(PDC E0-15)

2.5	EC Plan-Neofluar 2.5x/0.075 FWD: 9.5 mm
20	Clr Plan-Apochromat 20x/1.0 Corr nd=1,38 FWD: 5.6 mm
10	Achroplan 10x/0.30 W Ph1 FWD: 3.1 mm
20	W Plan-Apochromat 20x/1.0 DIC FWD: 1.8 mm
63	W Plan-Apochromat 63x/1.0 FWD: 2.1 mm

Leica AF6000 inverted

(S1-17)

20	HC PL APO 20x/0.75 CS2
10	HC PL FL 10x/0.30
63	HCX PL APO 63x/1.30 GLYC (ne=1.4601) CORR 37°C
40	HC PL FL L 40x/0.60 CORR
63	PL FL L 63x/0.7 CORR
100	HCX PL APO 100x/1.40-0.70 OIL
1.25	HC PL FL 1.25x/0.04

Leica DMI6000 inverted

(S1-17)

10	HC PL FL 10x/0.30
20	HC PL FL 20x/0.50
40	HC PL APO 40x/0.85 CORR CS
40	HCX PL APO 40x/1.25-0.75 OIL
63	HCX PL FL 63x/1.25 OIL
100	HCX PL APO 100x/1.40-0.70 OIL

Leica DM6B upright

(S1-17)

4	C PLAN 4x/0.10
10	HC PL FL 10x/0.30
40	HC PL APO 40x/0.85 CORR
20	HC PL APO 20x/0.70 IMM CORR CS
40	HCX PL APO 40x/1.30 OIL
63	HC PL APO 63x/1.40-0.60 OIL
100	HCX PL FL 100x/1.30 OIL

Leica DMRB upright

(S1-17)

5	HCX PL FL 5x/0.15
10	N PLAN 10x/0.22
16	PL FL 16x/0.50 IMM
40	PL FL 40x/1.00-0.50 OIL
63	HCX PL APO 63x/1.32-0.6 OIL
100	PL FL 100x/1.30 OIL

Leica DMRA upright

(S1-17)

10	PL FL 10x/0.30
40	N PLAN 40x/0.65
16	PL FL 16x/0.50 IMM
40	PL FL 40x/1.00-0.50 OIL
63	HCX PL APO 63x/1.32-0.6 OIL
100	PL FL 100x/1.30-0.60 OIL

Leica SP5 inverted

(S1-17)

Objective Lenses

10	HC PL APO 10x/0.40 CS
40	HC PL FL L 40x/0.60 CORR
20	HC PL APO 20x/0.70 IMM CORR CS
40	HCX PL APO 40x/1.25-0.75 OIL CS
63	HCX PL APO 63x/1.40-0.60 OIL

100	HCX PL APO 100x/1.40-0.70 OIL CS
5	HCX PL FL 5x/0.15

Confocal laser lines

405	} Argon
458	
476	
488	
496	
514	
561	
594	
633	
MP 710-990 nm	





Leica SP8 upright

(S1-17)

Objective Lenses

10	HC PL FL 10x/0.30
20	HC PL APO 20x/0.70
40	HC PL APO 40x/1.30 OIL CS2
63	HC PL APO 63x/1.40 OIL CS2
100	PL FL 100x/1.30 OIL

Confocal laser lines

	405
	488
	552
	638

Leica SP8 WLL 1 inverted

(S1-17)

Objective Lenses

10	HC PL APO 10x/0.40 CS
40	HC PL FL L 40x/0.60 CORR
40	HC PL APO 40x/1.30 OIL CS2
63	HC PL APO 63x/1.40 OIL CS2
100	HCX PL APO 100x/1.40-0.70 OIL CS
25	HC PL FL 25x/0.75 OIL

Confocal laser lines

	405
	561
	WLL 470-670 nm





Leica SP8 WLL 2 inverted

(S1-17)

Objective Lenses

10	HC PL APO 10x/0.40 CS2
20	HC PL APO 20x/0.75 CS2
40	HC PL APO 40x/1.30 OIL CS2
63	HC PL APO 63x/1.40 OIL CS2

Confocal laser lines

	405
	561
	633
	WLL 470-670 nm

Zeiss LSM710 NLO upright

(PDC E0-15)

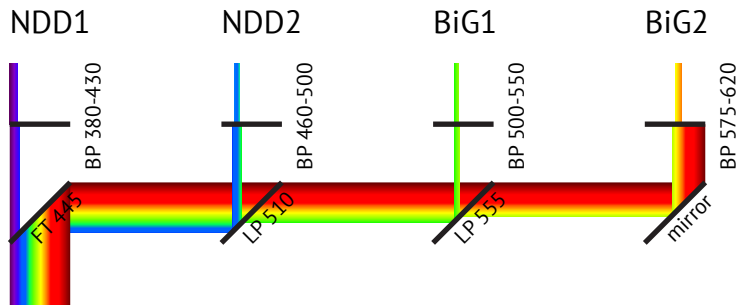
Objective Lenses

2.5	EC Plan-Neofluar 2.5x/0.075 FWD: 9.5 mm
20	Clr Plan-Apochromat 20x/1.0 Corr nd=1,38 FWD: 5.6 mm
10	Achroplan 10x/0.30 W Ph1 FWD: 3.1 mm
20	W Plan-Apochromat 20x/1.0 DIC FWD: 1.8 mm
63	W Plan-Apochromat 63x/1.0 FWD: 2.1 mm

Confocal laser lines

Dichroic mirror	
405	} Argon
DD458/514	
458	
DD488	
488	
DD458/514	514
DD488/561	561
TD488/561/633	633
MP	700-1040 nm

Non-descanned detectors







Andor DragonFly 200 inverted

(S1-17)


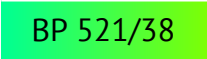
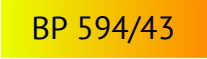
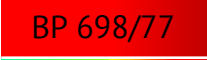


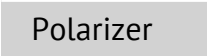
Objective Lenses

10	HC PL FL 10x/0.30
40	HCX PL APO 40x/1.30 OIL CS
63	HCX PL APO 63x/1.40-0.60 OIL CS
10	HC APO L 10x/0.30 W U-V-I
20	HC APO L 20x/0.50 W U-V-I
40	HC APO L 40x/0.80 W U-V-I

Laser lines

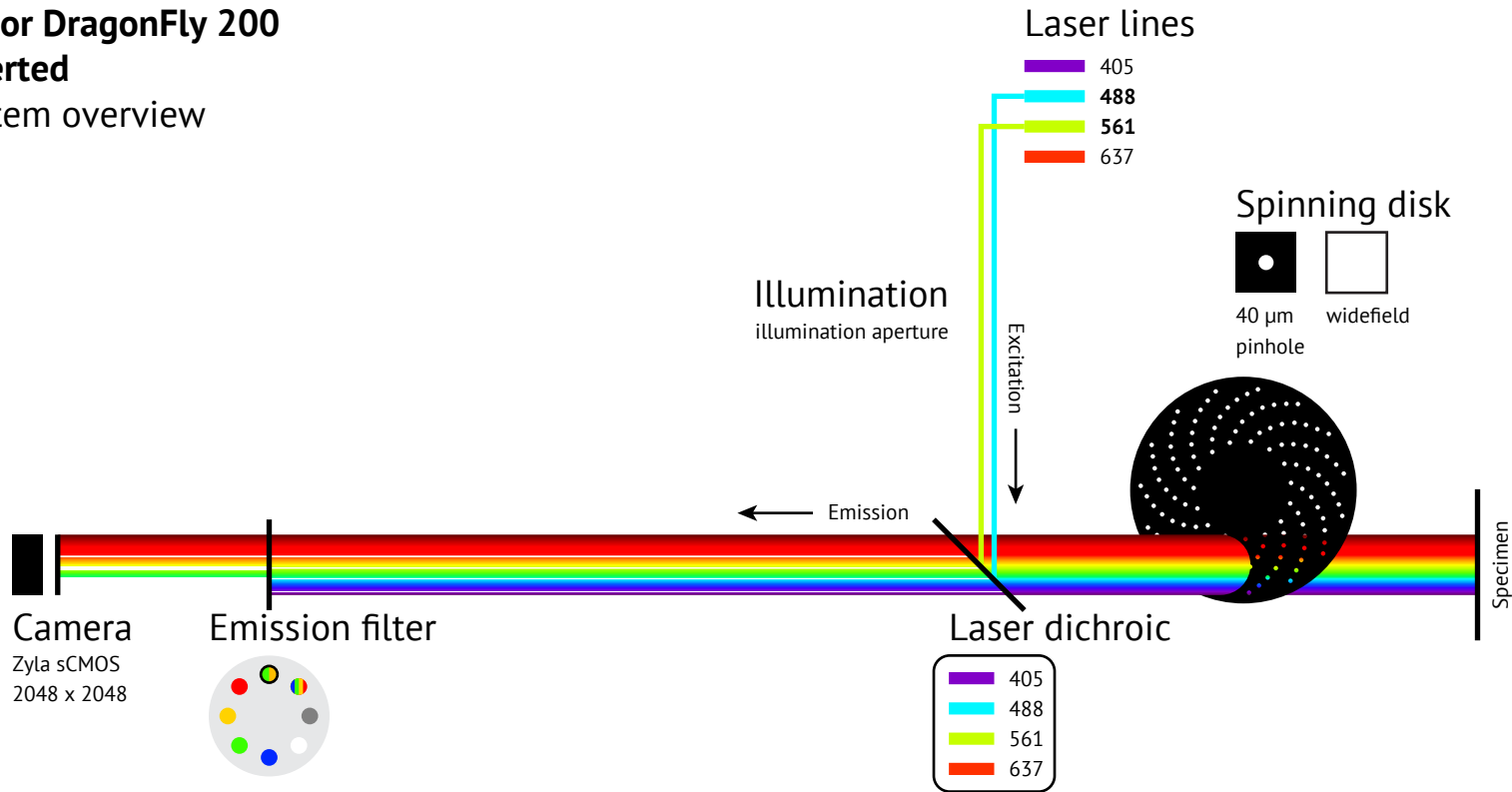
	405
	488
	561
	637

Emission filters

	BP 445/46
	BP 521/38
	BP 594/43
	BP 698/77
	BP 522/45 LP 573
	BP 445/58 BP 521/47 BP 594/42 BP 698/94
	Polarizer

Andor DragonFly 200 inverted

System overview










Andor DragonFly 500 inverted

(S1-17)


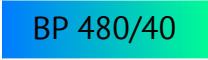
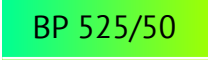
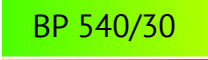
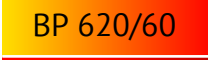

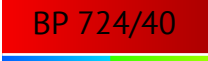

Objective Lenses

10	HC PL APO 10x/0.40
20	HC PL APO 20x/0.75 IMM CORR CS2
40	HCX PL APO 40x/1.30 OIL
63	HCX PL APO 63x/1.40-0.60 OIL
100	HC PL APO 100x/1.47 OIL CORR TIRF

Laser lines

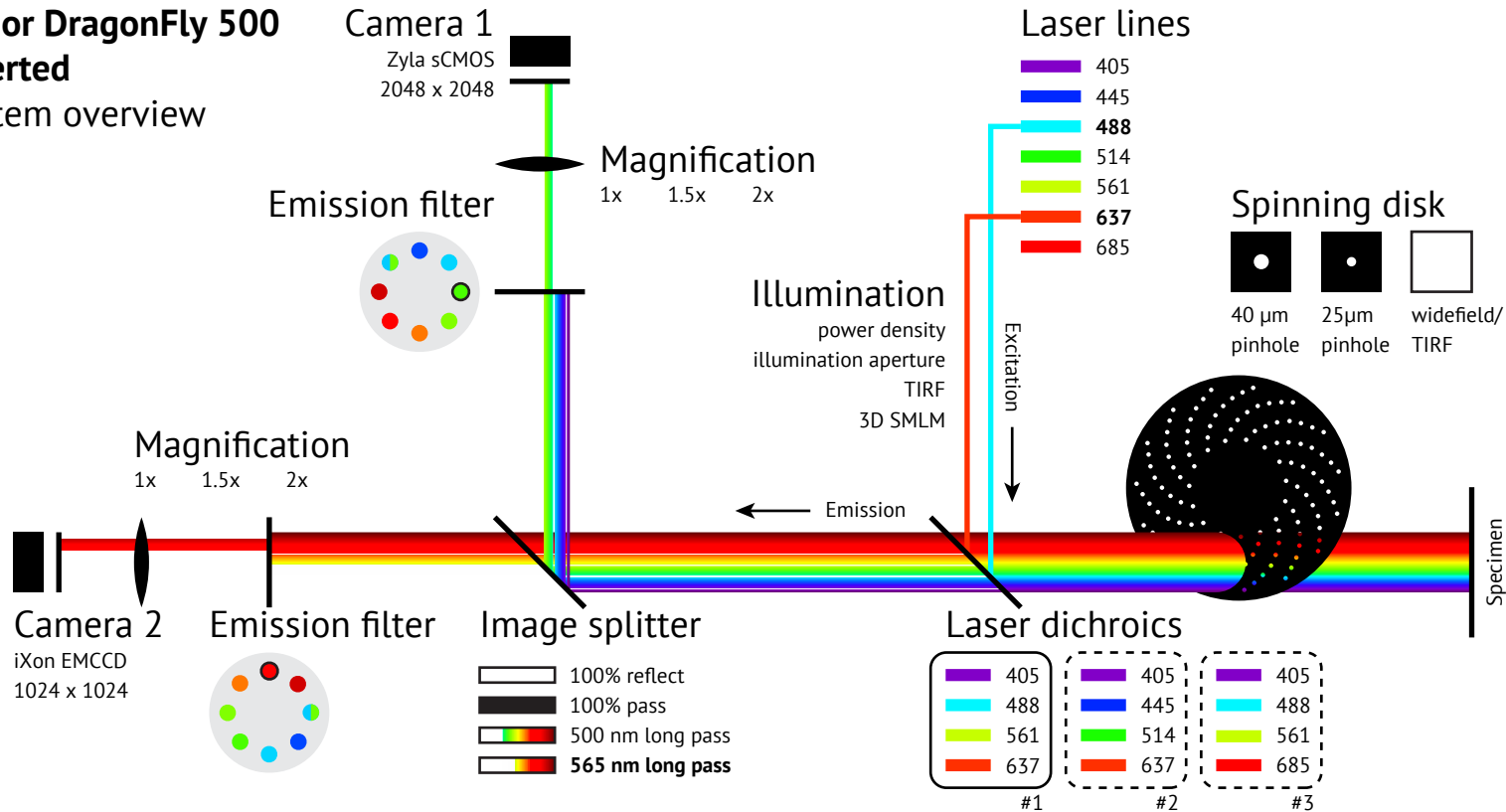
	405
	445
	488
	514
	561
	637
	685

Emission filters

	BP 450/50
	BP 480/40
	BP 525/50
	BP 540/30
	BP 620/60
	BP 700/75
	BP 724/40
	BP 470/25 BP 535/30

Andor DragonFly 500 inverted

System overview



Leica AF6000

inverted

(S1-17)

Objective Lenses

20	HC PL APO 20x/0.75 CS2
10	HC PL FL 10x/0.30
63	HCX PL APO 63x/1.30 GLYC (ne=1.4601) CORR 37°C
40	HC PL FL L 40x/0.60 CORR
63	PL FL L 63x/0.7 CORR
100	HCX PL APO 100x/1.40-0.70 OIL
1.25	HC PL FL 1.25x/0.04

Filter Cubes

#	Name	Cube	Excitation filter	Emission filter
0	Dapi	A4 (ATL)	BP 340-380	BP 450-490
1	YFP	YFP	BP 490-510	BP 520-550
2	CFP/YFP/DiD	TRI CYD	BP 420-435 BP 502-517 BP 610-640	BP 450-480 BP 530-590 BP 665-755
3	RFP	RFP	BP 545-551	BP 570-640
4	DAPI/FITC/ TexasRed	TRI B/G/R	BP 405-435 BP 487-502 BP 560-580	BP 455-475 BP 515-545 BP 620-660
5	Cy5	Cy5	BP 590-650	BP 662-737
6	Analysator	ANA	DIC	DIC

Leica DMI6000 inverted

(S1-17)

Objective Lenses

10	HC PL FL 10x/0.30
20	HC PL FL 20x/0.50
40	HC PL APO 40x/0.85 CORR CS
40	HXC PL APO 40x/1.25-0.75 OIL
63	HXC PL FL 63x/1.25 OIL
100	HXC PL APO 100x/1.40-0.70 OIL

Filter Cubes

#	Name	Cube	Excitation filter	Emission filter
0	Analysator	ANA	DIC	DIC
1	DAPI/FITC/ TexasRed	TRI B/G/R	BP 405-435 BP 487-502 BP 560-580	BP 455-475 BP 515-545 BP 620-660
2	Dapi	A4 (ATL)	BP 381-392	BP 417-477
3	FITC	L5	BP 460-488	BP 502-547
4	Cy5	Cy5	BP 626-644	BP 659-701
5	IR	IR	980 laser	SP 680

Leica DM6B

upright

(S1-17)

Objective Lenses

4	C PLAN 4x/0.10
10	HC PL FL 10x/0.30
40	HC PL APO 40x/0.85 CORR
20	HC PL APO 20x/0.70 IMM CORR CS
40	HCX PL APO 40x/1.30 OIL
63	HC PL APO 63x/1.40-0.60 OIL
100	HCX PL FL 100x/1.30 OIL

Filter Cubes

#	Name	Cube	Excitation filter	Emission filter
0	DIC	POL	DIC	DIC
1	Dapi	A4	BP 340-380	BP 450-490
2	DEAC	D	BP 431-441	BP 473-498
3	TRITC	N2.1	BP 532-554	BP 573-613
4	Texas Red	TXR	BP 540-580	BP 593-668
5	FITC	L5	BP 460-500	BP 512-542
6	Cy5	Y5	BP 590-650	BP 662-737
7	Cy7	Y7	BP 672-747	BP 765-855

Leica DMRB upright

(S1-17)

Objective Lenses

5	HCX PL FL 5x/0.15
10	N PLAN 10x/0.22
16	PL FL 16x/0.50 IMM
40	PL FL 40x/1.00-0.50 OIL
63	HCX PL APO 63x/1.32-0.6 OIL
100	PL FL 100x/1.30 OIL

Filter Cubes

#	Name	Cube	Excitation filter	Emission filter
1	Texas Red	TXR	BP 540-580	BP 593-668
2	D/F/R			
3	...	A	BP 340-380	LP 425
4	...	I3	BP 450-490	LP 515

Leica DMRA upright

(S1-17)

Objective Lenses

10	PL FL 10x/0.30
40	N PLAN 40x/0.65
16	PL FL 16x/0.50 IMM
40	PL FL 40x/1.00-0.50 OIL
63	HCX PL APO 63x/1.32-0.6 OIL
100	PL FL 100x/1.30-0.60 OIL

Filter Cubes

#	Name	Cube	Excitation filter	Emission filter
0	Dapi	A4	BP 340-380	BP 450-490
1	DEAC	D	BP 431-441	BP 473-498
2	FITC	L5	BP 460-500	BP 512-542
3	TRITC		BP 510-560	BP 572-647
4	Texas Red	TXR	BP 540-580	BP 593-668
5	Cy5	Y5	BP 590-650	BP 662-737
6	Cy7	Y7	BP 672-747	BP 765-855
7	IR800		BP 720-760	LP 780







3DHISTECH Pannoramic 250 slidescanner

(S1-42)


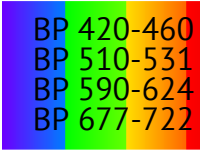




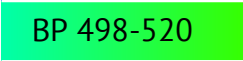

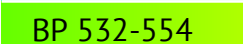

Objective Lenses

20	Plan-Apochromat 20x/0.8
40	Plan-Apochromat 40x/0.95 Corr

LED

	386
	438
	475
	512
	550
	650

Filter Cubes

Name	Cube	Excitation filter	Emission filter
QUAD	DAPI_Q/ FITC_Q/ TRITC_Q/ CY5_Q	 BP 381-392 BP 475-489 BP 547-572 BP 643-656	 BP 420-460 BP 510-531 BP 590-624 BP 677-722
AQUA		 BP 426-450	 BP 467-499
FITC		 BP 460-488	 BP 502-547
YFP		 BP 498-520	 BP 532-556
TRITC		 BP 532-554	 BP 573-613







Zeiss Axio Scan.Z1 slidescanner

(S1-42)

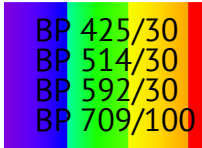


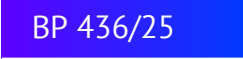
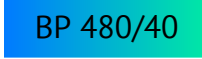
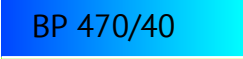
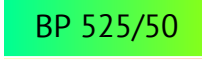
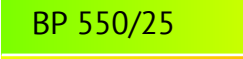

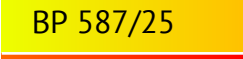




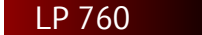
Objective Lenses

5	Fluar 5x/0.25
10	Plan-Apochromat 10x/0.45
20	Plan-Apochromat 20x/0.8
40	Plan-Apochromat 40x/0.95 Corr

LED

	385
	430
	475
	555
	590
	630
	735

Filter Cubes

Name	Cube	Excitation filter	Emission filter
QUAD	90 HE LED		
DAPI	49		
CFP	47 HE		
GFP	38 HE		
Cy3	43 HE		
mCherry	64 HE		
Cy5	50		
Cy7			

IncuCyte S3

live-cell analysis

(R2-11)

Objective Lenses

4	Plan Apo λ 4x/0.20
10	Plan Fluor 10x/0.30
20	S Plan Fluor ELWD 20x/0.45

Filter Cubes

Excitation filter

BP 513-568
BP 648-674

Emission filter

BP 577-641
BP 684-771