

2104-9710-01 December 2007

2104 EnVision Order Guide

The options in this order guide apply to 2104 EnVision models.

Date: _____

Customer: _____

Sales representative: _____

INSTRUMENT MODELS

EnVision is designed to be customizable so that it contains only the features beneficial for you.

No need to invest in features you do not need. The modular design allows you to upgrade later as your needs change.

→ Please start by choosing first the desired model: single detector- or dual detector model.

2104-0020 EnVision Xcite Multilabel Reader



One detector system performs single emission readings and dual emission readings sequentially.

The instrument supports all non-rad detection technologies with all types of microplates.

Includes the following as standard:

- EnVision software, user computer and 17" TFT Flat Screen
- Xenon flash lamp
- One detector
- Top and bottom reading
- Shaker with three modes; linear, orbital and double orbital
- Plate height sensor
- Positive identification for filters and mirrors.

- 2100-4010 General single emission optical module (not including filters)
- 2100-5200 Absorbance filter, 405 nm

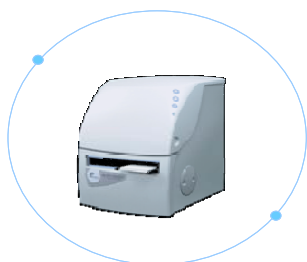
- Test plate (includes multilabel solid samples of the listed technologies).

Select one of the following (mandatory):

- 2009-0030 Test Plate (FI, TRF, ABS and Lumi)
- 2009-0020 Non-radioactive Test Plate (without Lumi)

Power requirements:

- 110-120 V
- 220-240 V



2104-0010 EnVision Multilabel Reader



Two detector system performs dual emission readings simultaneously.

The instrument supports all non-rad detection technologies with all types of microplates.

Includes the following as standard:

- EnVision software, user computer and 17" TFT Flat Screen
- Xenon flash lamp
- Two detectors enabling simultaneous dual wavelength reading
- Top and bottom reading
- Shaker with three modes; linear, orbital and double orbital
- Plate height sensor
- Positive identification for filters and mirrors.

- PlateID Barcode readers:

- Plate Barcode Reader - short side of the plate
- Plate Barcode Reader - long side of the plate

- 2100-4050 General dual emission optical module (not including filters)
- 2100-5200 Absorbance filter, 405 nm

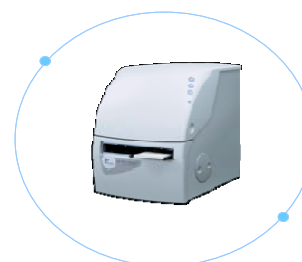
- Test plate (includes multilabel solid samples of the listed technologies).

Select one of the following (mandatory):

- 2009-0030 Test Plate (FI, TRF, ABS and Lumi)
- 2009-0020 Non-radioactive Test Plate (without Lumi)

Power requirements:

- 110-120 V
- 220-240 V



OPTIONS

→ Please choose the features you want to have in your EnVision.

Field upgrades are for updating your existing EnVision.

Meaning of the symbols

Suitability:



The option is suitable for single detection model (2104-0020).



The option is suitable for dual detection model (2104-0010) or for single detection model upgraded with dual emission option (2102-8360).

Installation requirements:



Requires service installation.

Technology options



Enhanced Luminescence

The Enhanced2 Luminescence option (US Luminescence) includes an additional luminescence detector (high efficiency PMT) with apertures for 96-, 384- and 1536-well plates. The option functions with single emission reading and is therefore suitable for both single and dual detector models giving the same throughput.

- 2102-8290 EnVision Enhanced2 Lumi option** - FACTORY INSTALLATION
- 2102-8300 EnVision Enhanced2 Lumi field kit** - POST-INSTALLATION



Enhanced TRF

The TRF LASER option includes a LASER unit producing a strong flash energy pulse at 337 nm. The feature enhances Time-Resolved Fluorescence Resonance Energy Transfer (TR-FRET) performance. The optical mirror module and optimized emission filters have to be ordered separately.

Please select from page 6 either a single emission or a dual emission optimized label-specific set that is especially designed for the TRF LASER option.

- 2103-8450 EnVision TRF LASER option** - FACTORY INSTALLATION
- 2103-8460 EnVision TRF LASER field kit** - POST-INSTALLATION



Note: The Enhanced TRF option requires software version 1.09 or later to operate it.

AlphaScreen

Two separate options are available: **AlphaScreen HTS "Turbo" Option** for high throughput and **AlphaScreen Standard Option** for medium throughput. They both function with single emission reading and are therefore suitable for both single and dual detector models giving the same throughput. The typical measurement times when measuring AlphaScreen on a 384-well plate are 1 minute 52 seconds / plate with AlphaScreen HTS Option and 4 minutes 54 seconds / plate with AlphaScreen Standard Option.

AlphaScreen Standard Option - for medium throughput.

The option includes a dedicated laser for excitation, shutter, ambient temperature control, optimized optical module and filters.

- 2102-8340 EnVision Alpha Standard option** - FACTORY INSTALLATION
- 2102-8330 EnVision Alpha Standard field kit** - POST-INSTALLATION



AlphaScreen HTS Option - for high throughput

Includes the Enhanced2 Luminescent Option!

The option includes a dedicated laser for excitation, ambient temperature control and additional detector with apertures for 96-, 384- and 1536-well plates dedicated to measure the signal directly above the well.

The AlphaScreen HTS Option also includes the Enhanced2 Luminescent Option.

- 2102-8310 EnVision Alpha HTS option** - FACTORY INSTALLATION
- 2102-8320 EnVision Alpha HTS field kit** - POST-INSTALLATION



Monochromator



Two separate options are available: EnVision Abs Monochromator option for Absorbance readings and EnVision FI Monochromator option for both Absorbance and Fluorescence Intensity readings. The Abs Monochromator option is based on a single grating monochromator unit and the FI Monochromator option is based on two double grating monochromator units. The wavelength range for photometric measurements is 230 nm - 1000 nm and for the fluorescence intensity measurements 230 nm - 850 nm. These options are suitable for both single and dual detector models. Either the Abs Monochromator or the FI Monochromator option can be installed in one EnVision.

EnVision Abs Monochromator option

The option includes a single grating monochromator unit and two long pass excitation filters:

2104-2010 Monochromator 320 filter and 2104-2020 Monochromator 565 filter.

- 2104-8500 EnVision Abs Monochromator option** - FACTORY INSTALLATION
- 2104-8510 EnVision Abs Monochromator option field kit** - POST-INSTALLATION



EnVision FI Monochromator option

The option includes two double grating monochromator units and two long pass excitation filters:

2104-2010 Monochromator 320 filter and 2104-2020 Monochromator 565 filter.

- 2104-8520 EnVision FI Monochromator option** - FACTORY INSTALLATION
- 2104-8530 EnVision FI Monochromator option field kit** - POST-INSTALLATION



Note: The EnVision Abs Monochromator option field kit and the EnVision FI Monochromator option field kit require model 2104.

Temperature control



Temperature control for cellular and enzyme kinetics applications. The temperature range is from +2°C above ambient to +45°C with a uniformity of ± 1 °C. Heating time from room temperature to +37 °C in less than 10 minutes.

- 2102-8410 EnVision Temperature Control option** - FACTORY INSTALLATION
- 2102-8440 EnVision Temperature Control field kit** - POST-INSTALLATION



Dispenser



A dispenser unit with two pump units, waste pump, magnetic stirrer and heater. The dispenser has a user changeable barcoded TipMount for simultaneous dual dispensing into 1 - 384 well plates. TipMount-96 Dual for Pre/Real time is included with the package.

- 2203-1060 EnVision-2103 Dispenser**



"A TipMount is a user changeable barcoded part that holds the tips."

TipMount-96 Dual for Pre/Real time enables simultaneous measuring and dispensing into the well. (Note: Included with the dispenser as standard.)

- 2203-4010 TipMount-96 Dual for Pre/Real time**

Optional item that enables simultaneous dual dispensing before and after the detection.

- 2203-4020 TipMount-96 Dual for Pre/Post**



Note: The dispenser unit requires software version 1.08 or later to operate it.

Stackers



EnVision stackers provide a semi-automated plate loading option.

Load and unload magazines are easy to remove and can take either 20 or 50 plates at a time.

- 2101-1010 Stacker for automatic plate loading (does not include magazines)**
 - 2100-1040 Two stacker magazines for 20 plates**
 - 2100-1050 Two stacker magazines for 50 plates**



Plate barcode reader (for model 2104-0020)

Plate barcode reader set for EnVision Xcite enables barcode reading from short right side and both long sides of the plate .

(Note: Plate barcode readers are included in model 2104-0010 as standard.)

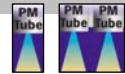
- 2100-8220 Plate ID reader option** - *FACTORY INSTALLATION*
- 2102-8350 Plate ID reader field kit** - *POST-INSTALLATION*

**Dual emission detector + plate barcode reader (for model 2104-0020)**

Dual emission upgrade kit includes a second detector and plate barcode reader set. (Note: Both features are included in model 2104-0010 as standard.)

This option upgrades EnVision Xcite from a one detector unit to a two detector unit with the capability of simultaneous dual wavelength reading and barcode reading from short right side and both long sides of the plate.

- 2102-8360 EnVision Dual emission field kit** - *POST-INSTALLATION*

**Additional software and control units**

21 CFR Part 11 software package.

- 2100-3010 EnVision Enhanced Security option** - *FACTORY INSTALLATION*
- 2101-8030 EnVision Enhanced Security field kit** - *POST-INSTALLATION*



A computer update package that always includes the latest EnVision PC and Flat Screen. (Note: Included with the instrument as standard.)

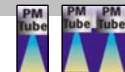
The CAN card is included with the package. EnVision Software has to be ordered separately.

- 2100-8200 EnVision user computer and 17" TFT Flat Screen**



EnVision Software update kit includes always the latest software and user manuals. (Note: Included with the instrument as standard.)

- 2101-8020 EnVision Software update kit**

**Filter slides and empty filter holders**

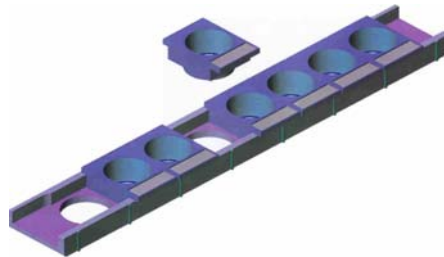
Empty filter holders are intended for 15 mm diameter custom filters.

Includes 10 barcoded, empty filter holders and locking rings.

- 2100-8110 Empty filter holders**

Additional filter holder slide. (Note: Included with the instrument as standard.)

- 2100-8230 Emission Slide**
- 2100-8240 Excitation Slide**



Optimized Label-Specific Sets

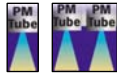
Optimized label specific set is a barcoded optics package optimized for a specific application.

OPTIMIZED LABEL-SPECIFIC SET = LABEL-SPECIFIC OPTICAL MIRROR MODULE + OPTIMIZED FILTERS



Fluorescence Intensity (FI)

FI / Single emission



FI / Dual emission



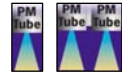
Beta Lactamase

- 2100-8430 Optimized Beta Lactamase Label**
Includes: 2100-4270 Optical Module: Beta Lactamase
 2100-5370 Excitation Filter: 400 nm
 2100-5130 Emission Filter: 460 nm
 2100-5120 Emission Filter: 535 nm

- 2100-8420 Optimized Beta Lactamase Dual Emission Label**
Includes: 2100-4230 Optical Module: Beta Lactamase Dual Emission
 2100-5370 Excitation Filter: 400 nm
 2100-5130 Emission Filter: 460 nm
 2100-5120 Emission Filter: 535 nm

BODIPY TMR

- 2100-8190 Optimized BODIPY TMR Label**
Includes: 2100-4120 Optical module: BODIPY TMR
 2100-5050 Excitation Filter: 531 nm
 2100-5530 Emission Filter: 595 nm



FITC

- 2100-8010 Optimized FITC Label**
Includes: 2100-4030 Optical Module: FITC
 2100-5020 Excitation Filter: 485 nm
 2100-5120 Emission Filter: 535 nm

Umbelliferone

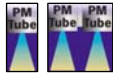
- 2100-8100 Optimized Umbelliferone Label**
Includes: 2100-4170 Optical Module: DELFIA / LANCE
 2100-5030 Excitation Filter: 355 nm
 2100-5130 Emission Filter: 460 nm

Cy5

- 2100-8370 Optimized Cy5 Label**
Includes: 2100-4240 Optical Module: Cy5
 2100-5240 Excitation Filter: 620 nm
 2100-5770 Emission Filter: 685 nm

Time-Resolved Fluorescence (TRF)

TRF / Single emission



TRF / Dual emission



TR-FRET LASER Label

 2103-8470 **Optimized TRF LASER Label**

Includes: 2103-4280 Optical Module: TRF LASER
2100-5110 Emission Filter: 665 nm

Note: The optimized label is meant to be used with the TRF LASER option. Excitation filter is not required. Donor emission filter has to be ordered separately (LANCE: 2100-5090 or HTRF: 2100-5240).

 2103-8480 **Optimized TRF LASER Dual Emission Label**

Includes: 2103-4290 Optical Module: TRF LASER Dual Emission
2100-5110 Emission Filter: 665 nm

Note: The optimized label is meant to be used with the TRF LASER option. Excitation filter is not required. Donor emission filter has to be ordered separately (LANCE: 2100-5090 or HTRF: 2100-5240).

DELFLIA 340 Label

 2100-8040 **Optimized DELFLIA 340 Label**

Includes: 2100-4170 Optical Module: DELFLIA/LANCE
2100-5010 Excitation Filter: UV TRF 340 nm

Note: Emission filters have to be ordered separately.

 2100-8150 **Optimized DELFLIA 340 Dual Emission Label**

Includes: 2100-4160 Optical Module: DELFLIA/LANCE Dual Emission
2100-5010 Excitation Filter: UV TRF 340 nm

Note: Emission filters have to be ordered separately. Dual emission measurements are possible only with europium and samarium labels.

LANCE 320 Label

 2100-8160 **Optimized LANCE 320 Label**

Includes: 2100-4170 Optical Module: DELFLIA/LANCE
2100-5060 Excitation Filter: UV (TRF2) 320 nm

Note: Emission filters have to be ordered separately.

 2100-8050 **Optimized LANCE 320 Dual Emission Label**

Includes: 2100-4160 Optical Module: DELFLIA/LANCE Dual Emission
2100-5060 Excitation Filter: UV (TRF2) 320 nm

Note: Emission filters have to be ordered separately.

Emission Filters for DELFLIA and LANCE Labels

Emission Filters for Optimized DELFLIA labels

- 2100-5090 Emission Filter: Europium 615 nm
- 2100-5100 Emission Filter: Samarium 642 nm
- 2100-5080 Emission Filter: Dysprosium 572 nm
- 2100-5070 Emission Filter: Terbium 545 nm

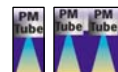
Emission Filters for Optimized LANCE labels

- 2100-5090 Emission Filter: Europium 615 nm
- 2100-5110 Emission Filter: LANCE 665 nm

Absorbance

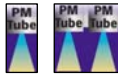
Photometric filters for Absorbance measurement

- 2100-5190 Absorbance Excitation Filter 340 nm
- 2100-5200 Absorbance Excitation Filter 405 nm
- 2100-5210 Absorbance Excitation Filter 450 nm
- 2100-5220 Absorbance Excitation Filter 492 nm



Fluorescence Polarization (FP)

FP / Single emission



FP / Dual emission



BODIPY TMR FP

- 2100-8030 Optimized BODIPY TMR FP Label**
Includes: 2100-4100 Optical Module: BODIPY TMR FP
 2100-5050 Excitation Filter: 531 nm
 2100-5160 Emission Filter: 595 nm, S polarized
 2100-5170 Emission Filter: 595 nm, P polarized

- 2100-8070 Optimized BODIPY TMR FP Dual Emission Label**
Includes: 2100-4080 Optical Module: BODIPY TMR FP Dual Emission
 2100-5050 Excitation Filter: 531 nm
 2100-5160 Emission Filter: 595 nm, S polarized
 2100-5170 Emission Filter: 595 nm, P polarized

FITC FP

- 2100-8020 Optimized FITC FP Label**
Includes: 2100-4090 Optical Module: FITC FP Single
 2100-5040 Excitation Filter: 480 nm
 2100-5140 Emission Filter: 535 nm, S polarized
 2100-5150 Emission Filter: 535 nm, P polarized

- 2100-8060 Optimized FITC FP Dual Emission Label**
Includes: 2100-4070 Optical Module: FITC FP Dual Emission
 2100-5040 Excitation Filter: 480 nm
 2100-5140 Emission Filter: 535 nm, S polarized
 2100-5150 Emission Filter: 535 nm, P polarized

Texas Red FP (Alexa 594 Fluo™)

- 2100-8170 Optimized Texas Red FP Label (Alexa 594 Fluo™)**
Includes: 2100-4190 Optical Module: Texas Red FP
 2100-5670 Excitation Filter: 555 nm
 2100-5680 Emission Filter: 632 nm, S polarized
 2100-5690 Emission Filter: 632 nm, P polarized

- 2100-8180 Optimized Texas Red FP Dual Emission Label (Alexa 594 Fluo™)**
Includes: 2100-4200 Optical Module: Texas Red FP Dual Emission
 2100-5670 Excitation Filter: 555 nm
 2100-5680 Emission Filter: 632 nm, S polarized
 2100-5690 Emission Filter: 632 nm, P polarized

Cy5 FP

- 2100-8380 Optimized Cy5 FP Label**
Includes: 2100-4250 Optical Module: Cy5 FP
 2100-5760 Excitation Filter: 620 nm
 2100-5780 Emission Filter: 688 nm, S polarized
 2100-5790 Emission Filter: 688 nm, P polarized

- 2100-8390 Optimized Cy5 FP Dual Emission Label**
Includes: 2100-4260 Optical Module: Cy5 FP Dual Emission
 2100-5760 Excitation Filter: 620 nm
 2100-5780 Emission Filter: 688 nm, S polarized
 2100-5790 Emission Filter: 688 nm, P polarized

TAMRA Acyclo Prime SNP



- 2100-8500 Optimized Tamra Acyclo Prime SNP Label**
Includes: 2100-4100 Optical Module: BODIPY TMR FP
 2100-5830 Excitation Filter: 531 nm
 2100-5800 Emission Filter: 579 nm S polarized
 2100-5810 Emission Filter: 579 nm, P polarized

- 2100-8490 Optimized Tamra Acyclo Prime SNP Dual Emission Label**
Includes: 2100-4080 Optical Module: BODIPY TMR FP Dual Emission
 2100-5830 Excitation Filter: 531 nm
 2100-5800 Emission Filter: 579 nm S polarized
 2100-5810 Emission Filter: 579 nm, P polarized

R110 Acyclo Prime SNP

- 2100-8520 Optimized R110 Acyclo Prime SNP Label**
Includes: 2100-4090 Optical Module: FITC FP
 2100-5820 Excitation Filter: 480 nm
 2100-5140 Emission Filter: 535 nm, S polarized
 2100-5150 Emission Filter: 535 nm, P polarized

- 2100-8510 Optimized R110 Acyclo Prime SNP Dual Emission Label**
Includes: 2100-4070 Optical Module: FITC FP Dual Emission
 2100-5820 Excitation Filter: 480 nm
 2100-5140 Emission Filter: 535 nm, S polarized
 2100-5150 Emission Filter: 535 nm, P polarized

Luminescence	
Luminescence / Single emission	
Luminescence / Dual emission	
<i>Optics for Standard Luminescence</i>	
<input type="checkbox"/> 2100-8080 Luminescence Label <i>Includes:</i> 2100-4040 Optical Module: Luminescence 2100-5180 Emission Filter: 700 nm	<input type="checkbox"/> 2100-4110 Luminescence Dual Emission Module <i>Filters are not included</i>
<i>BRET2</i>	
	<input type="checkbox"/> 2100-8140 Optimized BRET2 Dual Emission Label <i>Includes:</i> 2100-4150 Optical Module: BRET2 Dual Emission 2100-5290 Emission Filter: 410 nm 2100-5300 Emission Filter: 515 nm

Additional Filter and Label-Specific Optical Modules

A wide selection of barcoded label-specific filters and optical mirror modules is available.

Label-Specific Optical Mirror Modules



Single emission optical modules



Dual emission optical modules

<u>Prod. nr</u>	<u>Description</u>	<u>Barcode</u>	<u>Item</u>	<u>Prod. nr.</u>	<u>Description</u>	<u>Barcode</u>	<u>Item</u>
<input type="checkbox"/> 2100-4010	General bs50 single mirror	401	BS50	<input type="checkbox"/> 2100-4050	General bs50/bs50 dual mirror	651	BS50/BS50
<input type="checkbox"/> 2100-4210	General FP bs50 single mirror	435	BS50fp	<input type="checkbox"/> 2100-4220	General FP bs50/bs50 dual mirror	686	BS50fp/BS50
<input type="checkbox"/> 2100-4180	D385 single mirror	408	D385				
<input type="checkbox"/> 2100-4170	LANCE/DELFLIA D400 single mirror	412	D400	<input type="checkbox"/> 2100-4160	LANCE/DELFLIA D400/630 dual mirror	662	D400/D630
<input type="checkbox"/> 2103-4280	TRF LASER D400 single mirror	445	D400	<input type="checkbox"/> 2103-4290	TRF LASER D400/D630 dual mirror	446	D400/D630
<input type="checkbox"/> 2100-4140	Umbelliferone FP D400 single mirror	433	D400fp	<input type="checkbox"/> 2100-4130	Umbelliferone FP D400/bs50 dual mirror	683	D400fp/BS50
<input type="checkbox"/> 2100-4270	Beta Lactamase D425 single mirror	418	D425	<input type="checkbox"/> 2100-4230	Beta Lactamase D425/490 dual mirror	661	D425/D490
<input type="checkbox"/> 2100-4030	FITC D505 single mirror	403	D505				
<input type="checkbox"/> 2100-4090	FITC FP D505 single mirror	431	D505fp	<input type="checkbox"/> 2100-4070	FITC FP D505/fp535 dual mirror	681	D505fp/D535
<input type="checkbox"/> 2100-4120	BODIPY TMR D555 single mirror	405	D555				
<input type="checkbox"/> 2100-4100	BODIPY TMR FP D555 single mirror	432	D555fp	<input type="checkbox"/> 2100-4080	BODIPY TMR FP D555/fp595 dual mirror	682	D555fp/D595
<input type="checkbox"/> 2100-4190	Texas Red FP D595 single mirror	434	D595fp	<input type="checkbox"/> 2100-4200	Texas Red FP D595/fp635 dual mirror	685	D595fp/D635
<input type="checkbox"/> 2101-4010	AlphaScreen single mirror	444	D640as				
<input type="checkbox"/> 2100-4240	Cy5 D658 single mirror	420	D658				
<input type="checkbox"/> 2100-4250	Cy5 FP D658 single mirror	437	D658fp	<input type="checkbox"/> 2100-4260	Cy5 FP D658/fp688 dual mirror	688	D658fp/D688
<input type="checkbox"/> 2100-4040	Luminescence -/ single mirror	404	LUM	<input type="checkbox"/> 2100-4110	Luminescence -/bs50 dual mirror	654	LUM/BS50
				<input type="checkbox"/> 2100-4150	BRET2 -/D475 dual mirror	659	LUM/D475
<input type="checkbox"/> 2100-4310	CFP/YFP D450_515 single mirror	428	D450_515	<input type="checkbox"/> 2100-4320	CFP/YFP D450/D505 dual mirror	669	D450/D505

Filter Blocks (Includes: Filter frame + filter +barcode)

Prod. nr.	Description		CWL[nm]	BW	T[%]	Item	Barcode	
<input type="checkbox"/>	2100-5340	Photometric 260/10 filter	Excitation	260	10	12	P260	305
<input type="checkbox"/>	2100-5350	Photometric 280/10 filter	Excitation	280	10	12	P280	306
<input type="checkbox"/>	2100-5740	Photometric 320/14 filter	Excitation	320	14	20	P320	323
<input type="checkbox"/>	2100-5060	UV (TRF320) dug11 filter	Excitation	330	75	70	X320	111
<input type="checkbox"/>	2100-5010	UV (TRF340) dug11 + wg320 filter	Excitation	340	60	60	X340	101
<input type="checkbox"/>	2100-5190	Photometric 340/25 filter	Excitation	340	25	40	P340	301
<input type="checkbox"/>	2100-5750	Photometric, Fura-2 340/14 filter	Excitation	340	14	20	P340	324
<input type="checkbox"/>	2100-5030	Umbelliferone 355/40 filter	Excitation	355	40	35	X355	103
<input type="checkbox"/>	2100-5390	Fura2, BFP 380/10 filter	Excitation	380	10	25	X380	112
<input type="checkbox"/>	2100-5370	MOCA 400/25 filter	Emission	400	25	40	M400w	218
<input type="checkbox"/>	2100-5200	Photometric 405/8 filter	Excitation	405	8	40	P405	302
<input type="checkbox"/>	2100-5290	BRET2 410/80 filter	Emission	410	80	80	M410	213
<input type="checkbox"/>	2100-5400	Photometric 420/8 filter	Excitation	420	8	40	P420	308
<input type="checkbox"/>	2100-5250	Excitation 430/8 filter	Excitation	430	8	45	X430	113
<input type="checkbox"/>	2100-5540	Emission 430/8 filter	Emission	430	8	45	M430	228
<input type="checkbox"/>	2100-5840	CFP 430/24 filter	Excitation	430	24	90	X430	138
<input type="checkbox"/>	2100-5660	Photometric 440/8 filter	Excitation	440	8	40	P440	321
<input type="checkbox"/>	2100-5210	Photometric 450/8 filter	Excitation	450	8	30	P450	303
<input type="checkbox"/>	2100-5260	BFP 450/10 filter	Emission	450	10	60	M450	216
<input type="checkbox"/>	2100-5130	Umbelliferone 460/25 filter	Emission	460	25	50	M460	207
<input type="checkbox"/>	2100-5510	Umbelliferone FP S-pol 460/25 filter	Emission	460	25	50	M460s	224
<input type="checkbox"/>	2100-5520	Umbelliferone FP P-pol 460/25 filter	Emission	460	25	50	M460p	225
<input type="checkbox"/>	2100-5850	CFP 470/24 filter	Emission	470	24	90	M470	240
<input type="checkbox"/>	2100-5450	Photometric 475/8 filter	Excitation	475	8	50	P475	309
<input type="checkbox"/>	2100-5040	FITC FP 480/30 filter	Excitation	480	30	70	X480	104
<input type="checkbox"/>	2100-5820	R110 SNP 480/30 attenuated filter	Excitation	480	30	70	X480a	131
<input type="checkbox"/>	2100-5020	FITC 485/14 filter	Excitation	485	14	60	X485	102
<input type="checkbox"/>	2100-5270	Emission 486/10 filter	Emission	486	10	70	M486	220
<input type="checkbox"/>	2100-5220	Photometric 492/8 filter	Excitation	492	8	30	P492	304
<input type="checkbox"/>	2100-5860	YFP 500/20 filter	Excitation	500	20	90	X500	139
<input type="checkbox"/>	2100-5310	Excitation 510/10 filter	Excitation	510	10	50	X510	114
<input type="checkbox"/>	2100-5320	Fura2 510/10 filter	Emission	510	10	50	M510	214
<input type="checkbox"/>	2100-5380	Emission 510/20 filter	Emission	510	20	50	M510w	215
<input type="checkbox"/>	2100-5300	BRET2 515/30 filter	Emission	515	30	80	M515	219
<input type="checkbox"/>	2100-5480	Emission 520/8 filter	Emission	520	8	55	M520	226
<input type="checkbox"/>	2100-5580	Excitation 525/45 filter	Excitation	525	45	60	X525	126
<input type="checkbox"/>	2100-5460	Photometric 530/8 filter	Excitation	530	8	55	P530	310
<input type="checkbox"/>	2100-5280	Emission 530/10 filter	Emission	530	10	70	M530	221
<input type="checkbox"/>	2100-5870	YFP 530/35 filter	Emission	530	35	90	M535	274
<input type="checkbox"/>	2100-5050	Cy3, Tamra FI/FP 531/25 filter	Excitation	531	25	60	X531	105
<input type="checkbox"/>	2100-5830	Tamra SNP 531/25 attenuated filter	Excitation	531	25	60	X531a	132
<input type="checkbox"/>	2100-5120	FITC 535/25 filter	Emission	535	25	50	M535	206
<input type="checkbox"/>	2100-5140	FITC FP S-pol 535/40 filter	Emission	535	40	80	M535s	208
<input type="checkbox"/>	2100-5150	FITC FP P-pol 535/40 filter	Emission	535	40	80	M535p	209
<input type="checkbox"/>	2100-5570	Resorufine/Amplex Red FP 535/40 filter	Excitation	535	40	80	X535	124
<input type="checkbox"/>	2100-5420	Photometric 540/8 filter	Excitation	540	8	60	P540	311
<input type="checkbox"/>	2100-5230	TAMRA 544/15 filter	Excitation	544	15	60	X544	117
<input type="checkbox"/>	2100-5070	Terbium 545/7 filter	Emission	545	7	70	M545	201
<input type="checkbox"/>	2100-5430	Photometric 550/9 filter	Excitation	550	9	40	P550	312
<input type="checkbox"/>	2100-5670	Texas Red FP 555/38 filter	Excitation	555	38	60	X555w	123
<input type="checkbox"/>	2100-5470	Photometric 560/8 filter	Excitation	560	8	40	P560	313

<u>Prod. nr.</u>	<u>Description</u>		<u>CWL[nm]</u>	<u>BW</u>	<u>T[%]</u>	<u>Item</u>	<u>Barcode</u>
<input type="checkbox"/> 2100-5630	Photometric 570/8 filter	Excitation	570	8	40	P570	318
<input type="checkbox"/> 2100-5710	AlphaScreen 570/100 filter	Emission	570	100	75	M570w	244
<input type="checkbox"/> 2100-5080	Dysprosium 572/7.5 filter	Emission	572	7.5	70	M572	202
<input type="checkbox"/> 2100-5600	Tamra, Cy3 579/25 filter	Emission	579	25	60	M579w	231
<input type="checkbox"/> 2100-5800	Tamra FP S-pol 579/25 filter	Emission	579	25	60	M579s	245
<input type="checkbox"/> 2100-5810	Tamra FP P-pol 579/25 filter	Emission	579	25	60	M579p	246
<input type="checkbox"/> 2100-5610	Emission 580 /10 filter	Emission	580	10	65	M580	233
<input type="checkbox"/> 2100-5500	Photometric 590/8 filter	Excitation	590	8	40	P590	314
<input type="checkbox"/> 2100-5330	Rhodamine 590/20 filter	Emission	590	20	60	M590	217
<input type="checkbox"/> 2100-5440	Excitation 595/10 filter	Excitation	595	10	40	X595	106
<input type="checkbox"/> 2100-5560	Photometric 595/10 filter	Excitation	595	10	40	P595	315
<input type="checkbox"/> 2100-5160	BODIPY TMR FP S-pol 595/60 filter	Emission	595	60	75	M595s	210
<input type="checkbox"/> 2100-5170	BODIPY TMR FP P-pol 595/60 filter	Emission	595	60	75	M595p	211
<input type="checkbox"/> 2100-5530	Emission 595/60 filter	Emission	595	60	75	M595w	229
<input type="checkbox"/> 2100-5640	Photometric 600/8 filter	Excitation	600	8	40	P600	319
<input type="checkbox"/> 2100-5550	Excitation 610/10 filter	Excitation	610	10	65	X610	119
<input type="checkbox"/> 2100-5620	Photometric 610/10 filter	Excitation	610	10	65	P610	316
<input type="checkbox"/> 2100-5090	Europium 615/8.5 filter	Emission	615	8.5	80	M615	203
<input type="checkbox"/> 2100-5240	Cy5 620/10 filter	Excitation	620	10	65	X620	118
<input type="checkbox"/> 2100-5760	Cy5 620/40 filter	Excitation	620	40	70	X620	128
<input type="checkbox"/> 2100-5650	Photometric 620/8 filter	Excitation	620	8	40	P620	320
<input type="checkbox"/> 2100-5490	Emission 630/8 filter	Emission	630	8	40	M630	222
<input type="checkbox"/> 2100-5680	Texas Red FP S-pol 632/45 filter	Emission	632	45	60	M632s	238
<input type="checkbox"/> 2100-5690	Texas Red FP P-pol 632/45 filter	Emission	632	45	60	M632p	239
<input type="checkbox"/> 2100-5590	Emission 635/15 filter	Emission	635	15	40	M635	223
<input type="checkbox"/> 2100-5100	Samarium 642/6.5 filter	Emission	642	6.5	80	M642	204
<input type="checkbox"/> 2100-5410	Emission 650/8 filter	Emission	650	8	40	M650	227
<input type="checkbox"/> 2100-5110	LANCE (APC, Alexa) 665/7.5 filter	Emission	665	7.5	75	M665	205
<input type="checkbox"/> 2100-5770	Cy5 685/35 filter	Emission	685	35	70	M685	243
<input type="checkbox"/> 2100-5780	Cy5 FP S-pol 688/45 filter	Emission	688	45	75	M688s	247
<input type="checkbox"/> 2100-5790	Cy5 FP P-pol 688/45 filter	Emission	688	45	75	M688p	248
<input type="checkbox"/> 2100-5180	Luminescence <700 emission filter	Emission	700		65	LUM	212
<input type="checkbox"/> 2100-5730	Photometric 720/8 filter	Excitation	720	8	75	P720	322
<input type="checkbox"/> 2100-5700	Photometric 750/8 filter	Excitation	750	8	60	P750	317
<input type="checkbox"/> 2100-5720	AlphaScreen adjustment OD6 filter				OD6	AS	299