**细胞成像试剂选择指南**

瑞孚迪基于在高内涵成像仪器及荧光染料化学的成熟技术平台，提供种类丰富的PhenoVueTM细胞成像试剂，包含旨在帮助客户在

细胞成像实验中获得最佳效果。

**细胞器和细胞区室染料**

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| 描述 | **规格** | **最大发射波长 (nm)** |
| **455** | **457** | **504** | **510** | **520** | **570** | **576** | **580** | **585** | **590** | **599** | **603** | **617** | **638** | **657** | **662** | **670** | **694** | **697** |
| **PhenoVue Fluor****- Concanavalin A** | **2 x 1 mg** |  |  |  |  |  |  |  |  | **CP94001** |  |  |  |  |  |  |  |  |  |  |
| **5 x 1 mg** |  |  |  |  |  | **CP95551** |  |  |  |  |  | **CP95681** | **CP95941** |  |  |  | **CP96471** |  |  |
| **PhenoVue Fluor****- Phalloidin** | **1 x 300 units (10 nmoles)** | **CP24051** |  |  |  | **CP24881** | **CP25551** |  |  | **CP24001** |  |  | **CP25681** | **CP25941** |  |  |  | **CP26471** |  |  |
| **PhenoVue Fluor - WGA** | **2 x 1 mg** |  |  |  |  |  |  | **CP3O1** |  | **CP14001** |  |  |  |  |  |  |  |  |  |  |
| **5 x 1 mg** |  |  |  |  | **CP14881** |  |  |  |  |  |  | **CP15681** | **CP15941** |  |  |  | **CP16471** |  |  |
| **PhenoVue****mitochondrial stain** | **20 x 50 μg** |  |  |  |  |  |  |  |  |  |  | **CP3R1** |  |  |  |  | **CP3D1** |  |  |  |
| **PhenoVue****lysosomal stain** | **20 x 50 μg** |  |  |  | **CP10G1** |  |  |  |  |  | **CP10R1** |  |  |  |  | **CP10DR1** |  |  |  |  |
| **PhenoVue Nile red lipid stain** | **2 x 10 mg** |  |  |  |  |  |  |  |  | **CP41 \*** |  |  |  |  | **CP41 \*** |  |  |  |  |  |
| **PhenoVue 493 lipid stain** | **5 x 2 mg** |  |  | **CP51** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **PhenoVue DAPI nuclear stain** | **1 x 1 mL (1 mg/mL)** |  | **CP81** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **PhenoVue 512****nucleic acid stain** | **1 x 250 μL****(5 mM****solution****in DMSO)** |  |  |  |  |  |  |  |  |  | **CP61** |  |  |  |  |  |  |  |  |  |
| **PhenoVue****Hoechst 33342 nuclear stain** | **1 x 10 mg** | **CP71** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **1 x 100 mg** | **CP72** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **PhenoVue Fluor 647 live cell****actin stain** | **1 x 5 nmol** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **CP22R1** |  |  |
| **3 x 5 nmol** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **CP22R2** |  |  |
| **PhenoVue Fluor live cell tubulin stain** | **2 x 50 nmol** |  |  |  |  |  |  |  | **CP21O1** |  |  |  |  |  |  |  |  | **CP21R1** |  |  |

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| **PhenoVue****DRAQ5™ total****cell nuclear stain** | **1 x 50 μL** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **CP161** |
| **1 x 200 μL** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **CP162** |
| **1 x 1 mL** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **CP163** |
| **PhenoVue****DRAQ7™ dead cell nuclear stain** | **1 x 1 mL** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **CP171** |  |

\*与甘油三酯复合时的最大发射波长为585 nm，与磷脂复合时的最高发射波长为638 nm。

**荧光二抗**

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| **描述** | **交叉吸附****(pack size)** | **最大发射波长 (nm)** |
| **520** | **570** | **603** | **617** | **670** |
| PhenoVue Fluor - Donkey anti-mouse antibody | Cross-adsorbed (1 x 1 mg) | 2DXM488C1 | 2DXM555C1 | 2DXM568C1 | 2DXM594C1 | 2DXM647C1 |
| Highly cross-adsorbed (1 x 1 mg) | 2DXM488H1 | 2DXM555H1 | 2DXM568H1 | 2DXM594H1 | 2DXM647H1 |
| PhenoVue Fluor - Donkey anti-rabbit antibody | Cross-adsorbed (1 x 1 mg) | 2DXRB488C1 | 2DXRB555C1 | 2DXRB568C1 | 2DXRB594C1 | 2DXRB647C1 |
| Highly cross-adsorbed (1 x 1 mg) | 2DXRB488H1 | 2DXRB555H1 | 2DXRB568H1 | 2DXRB594H1 | 2DXRB647H1 |
| PhenoVue Fluor - Goat anti-rabbit antibody | Cross-adsorbed (1 x 1 mg) | 2GXRB488C1 | 2GXRB555C1 | 2GXRB568C1 | 2GXRB594C1 | 2GXRB647C1 |
| Highly cross-adsorbed (1 x 1 mg) | 2GXRB488H1 | 2GXRB555H1 | 2GXRB568H1 | 2GXRB594H1 | 2GXRB647H1 |
| PhenoVue Fluor - Goat anti-mouse antibody | Cross-adsorbed (1 x 1 mg) | 2GXM488C1 | 2GXM555C1 | 2GXM568C1 | 2GXM594C1 | 2GXM647C1 |
| Highly cross-adsorbed (1 x 1 mg) | 2GXM488H1 | 2GXM555H1 | 2GXM568H1 | 2GXM594H1 | 2GXM647H1 |
| PhenoVue Fluor - Goat anti-rat antibody | Highly cross-adsorbed (1 x 1 mg) | 2GXRT488H1 | 2GXRT555H1 | 2GXRT568H1 | 2GXRT594H1 | 2GXRT647H1 |
| PhenoVue Fluor - Rat anti-mouse antibody | Highly cross-adsorbed (1 x 0.5 mg) | 2RTXM488G1H1 |  |  |  | 2RTXM647G2AH1 |

**荧光二抗**

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| **描述** | **规格** | **最大发射波长 (nm)** |
| **455** | **520** | **570** | **590** | **603** | **662** |
| PhenoVue cell painting kits | For 1 x 384-well plate | PING11 \* |
| For 10 x 384-well plates | PING12 \* |
| For 100 x 384-well plates | PING13 \* |
| PhenoVue cellpainting JUMP kits | For 1 x 384-well plate | PING21 \* |
| For 10 x 384-well plates | PING22 \* |
| For 100 x 384-well plates | PING23 \* |

\*PhenoVue细胞染色试剂盒包含PhenoVue Hoechst 33342细胞核染色剂 (最大发射波长455 nm), PhenoVue Fluor 488 Concanavalin A (最大发射波长520 nm), PhenoVue 512核酸染色剂 (最大发射波长590 nm), PhenoVue Fluor 555 - WGA (最大发射波长570 nm),PhenoVue Fluor 568 - Phalloidin (最大发射波长603 nm), 以及PhenoVue 641线粒体染色剂 (最大发射波长662 nm).

**多细胞器染色试剂盒**

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| **描述** | **规格** | **最大发射波长 (nm)** |
| **455** | **504** | **570** | **585** | **670** |
| PhenoVue multiorganelle staining kit | For 1 x 384-well plate | PMOS11 \* |

\*PhenoVue multi organelle kit contains PhenoVue Hoechst 33342 nuclear stain (max em. 455 nm), PhenoVue 493 lipid stain (max em. 504 nm), PhenoVue Fluor 555 (max em. 570 nm), PhenoVue Fluor 400LS (max em. 585 nm), and PhenoVue Fluor 647 (max em. 670 nm).

**神经元分化染色试剂盒**

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| **Description** | **Pack size** | **Maximum emission wavelength (nm)** |
| **455** | **520** | **570** | **670** |
| PhenoVue neuronaldifferentiation staining kit | For 1 x 384-well plate | PNDIF11 \* |

\*PhenoVue神经元分化染色试剂盒包含PhenoVue Hoechst 33342细胞核染色试剂(最大发射波长455 nm), PhenoVue Fluor 488 - 高度交叉吸附的大鼠抗小鼠 IgG 抗体 (最大发射波长520 nm), PhenoVue Fluor 555 - Phalloidin (最大发射波长570 nm), PhenoVue Fluor 647 - 高度交叉吸附的大鼠抗小鼠 IgG 抗体 (最大发射波长670 nm).

**细胞功能试剂及试剂盒**

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| **描述** | **规格** | **最大发射波长 (nm)** |
| **505** | **514** | **515** | **517** | **528** | **530** | **588** | **593** | **617** | **670** | **697** |
| PhenoVue 505 live cellcaspase-3/7 activity stain | 1 x 100 μL (1 mM inDMSO) |  |  |  |  |  | **CP22G1** |  |  |  |  |  |
| PhenoVue Cal-520 AM Bright, calcium indicator | 10 x 50 μg (45 nmol) |  |  | **CP115201** |  |  |  |  |  |  |  |  |
| PhenoVue Cal-590 AM Bright, calcium indicator | 10 x 50 μg (41 nmol) |  |  | **CP125201** |  |  |  |  | **CP115901** |  |  |  |
| PhenoVue Cal-520 AM, calcium indicator | 10 x 50 μg (45 nmol) |  |  |  |  |  |  |  |  |  |  |  |
| PhenoVue Cal-590 AM, calcium indicator | 10 x 50 μg (40 nmol) |  |  |  |  |  |  | **CP125901** |  |  |  |  |
| PhenoVue Fluo-4 AM, calcium indicator | 10 x 50 μg (45 nmol) |  |  |  |  | **CP131** |  |  |  |  |  |  |
| PhenoVue Fura-2 AM, calcium indicator | 20 x 50 μg (50 nmol) | **CP141** |  |  |  |  |  |  |  |  |  |  |
| PhenoVue ROS-490, total oxidative stress indicator | 1 x 1 mg (2.362 μmol) |  |  |  | **CP15G** |  |  |  |  |  |  |  |
| PhenoVue ROS-570, total oxidative stress indicator | 1 x 1 mg (1.365 μmol) |  |  |  |  |  |  | **CP15O** |  |  |  |  |
| PhenoVue ROS-670, total oxidative stress indicator | 1 x 1 mg (1.318 μmol) |  |  |  |  |  |  |  |  |  | **CP15DR** |  |
| PhenoVue HypoxiTRAK™, hypoxia indicator | 1 x 500 μL (10 μM - 5 nmol) |  |  |  |  |  |  |  |  |  |  | **CP181** |
| PhenoVue live/dead cell viability assay kit\* | For 2 x 384-well plates |  | **PCVA11 \*** |  |  |  |  |  |  | **PCVA11 \*** |  |  |

\*PhenoVue活/死细胞活力检测试剂盒包含用于活细胞的Calcium AM染料(最大发射波长514 nm)以及用于死细胞的碘化丙啶染料（最大发射波长 617 nm）。

**二抗**

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| **描述** | **规格** | **货号** |
| PhenoVue anti-HSP60 antibody 100X | 1x100 μL | PAHSP601 |
| PhenoVue anti-LAMP1 antibody 100X | 1x100 μL | PALAMP11 |
| PhenoVue anti-MAP2 antibody 100X | 1x100 μL | PABMAP2 |

**补充试剂**

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| **描述** | **规格** | **货号** |
| PhenoVue dyediluent A (5X) | 1 x 8 mL | PVDDA1 |
| PhenoVue paraformaldehyde 4% methanol-free solution | 1 x 25 mL | PVPFA41 |
| PhenoVue paraformaldehyde 4% methanol-free solution | 5 x 25 mL | PVPFA42 |
| PhenoVue permeabilization 0.5% Triton X-100 solution | 1 x 25 mL | PVPERM051 |
| PhenoVue permeabilization 0.5% Triton X-100 solution | 5 x 25 mL | PVPERM052 |
| PhenoVue pluronic F-127, 20% solution | 1 x 10 mL | CP191 |
| PhenoVue probenecid, ready to use solution | 10 x 77 mg | CP201 |

**PhenoPlate™成像高内涵成像微孔板(之前是CellCarrier™ Ultra microplates)**

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| **描述** | **货号** |
| **96-well PhenoPlates** | **Case of 10** | **Case of 40** | **Case of 50** | **Case of 160** | **Case of 200** |
| PhenoPlate 96-well, black, optically clear ﬂat-bottom, tissue-culture treated, lids |  | 6055302 | 6055300 | 6055308 |  |
| PhenoPlate 96-well, black, optically clear ﬂat-bottom, poly-D-lysine-coated, lids |  | 6055500 |  | 6055508 |  |
| PhenoPlate 96-well, black, optically clear ﬂat-bottom, collagen-coated, lids |  | 6055700 |  | 6055708 |  |
| PhenoPlate 96-well, black, optically clear ﬂat-bottom, ﬁbronectin-coated, lids | 6055600 | 6055602 |  |  |  |
| PhenoPlate 96-well, black, optically clear ﬂat-bottom, ultra-low-attachment-coated, lids | 6055800 | 6055802 |  |  |  |

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| **384-well PhenoPlates** | **Case of 10** | **Case of 40** | **Case of 50** | **Case of 160** | **Case of 200** |
| PhenoPlate 384-well, black, optically clear ﬂat-bottom, tissue-culture treated, lids |  | 6057302 | 6057300 | 6057308 |  |
| PhenoPlate 384-well, black, optically clear ﬂat-bottom, tissue-culture treated, non-irradiated, lids |  |  |  | 6057328 |  |
| PhenoPlate 384-well, black, optically clear ﬂat-bottom, poly-D-lysine-coated, lids |  | 6057500 |  | 6057508 |  |
| PhenoPlate 384-well, black, optically clear ﬂat-bottom, collagen-coated, lids |  | 6057700 |  | 6057708 |  |
| PhenoPlate 384-well, black, optically clear ﬂat-bottom, ﬁbronectin-coated, lids | 6057600 | 6057602 |  |  |  |
| PhenoPlate 384-well, black, optically clear ﬂat-bottom, ultra-low-attachment-coated, lids | 6057800 | 6057802 |  |  |  |
| **1536-well PhenoPlates** | **Case of 10** | **Case of 40** | **Case of 50** | **Case of 160** | **Case of 200** |
| PhenoPlate 1536-well, black, optically clear ﬂat-bottom, tissue-culture treated, lids |  |  | 6054305 |  |  |
| **PhenoPlate lids** |  |  |  |  |  |
| Lid, clear, for PhenoPlates, sterile |  |  |  |  | 6057328 |

**细胞载体球形微孔板**

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| **描述** | **货号** |
| **Case of 10** | **Case of 40** |
| CellCarrier Spheroid ULA 96-well microplates, round bottom, clear, ULA-coated | 6055330 | 6055334 |

**ViewPlate微孔板**

**描述**

**货号**

**Case of 10 2xcases of 25 Case of 40 Case of 50 Case of 160**

6005182 †

**96-well PhenoPlates**

ViewPlate-96, black, optically-clear bottom, tissue culture-treated, with lid

ViewPlate-96, black, optically-clear bottom, PDL-coated, with lid

6005710 \*\*

ViewPlate-96, black, optically-clear bottom, tissue culture-treated, with lid

6005225 \*

ViewPlate-96, black, optically-clear bottom, collagen-coated, with lid

6005818 ‡

6005810 \*\*

**384-well ViewPlates**

ViewPlate-384, black, optically-clear bottom, tissue culture-treated, sterile, with lid

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6007460

ViewPlate-384, black, optically-clear bottom,

6007710

6007718

PDL-coated, tissue culture-treated, sterile, with lid

ViewPlate-384, black, optically-clear bottom,

6007810

6007818

collagen-coated, tissue culture-treated, sterile, with lid

**1536-well ViewPlates**

ViewPlate-1536, black, optically-clear bottom, tissue culture-treated, sterile, with lid

6004460

ViewPlate-1536, black, optically-clear bottom,

PDL-coated, tissue culture-treated, sterile, with lid

6004710

ViewPlate-1536, black, optically-clear bottom,

6004810

collagen-coated, tissue culture-treated, sterile, with lid

\* Two sleeves of 25 plates with lids \*\* Two sleeves of 20 plates with lids † Individually pouched with lids

‡ Eight sleeves of 20 plates with lids