

Range of plates & dishes accommodated by the Livecyte:

35 mm dishes

- WPI, glass-bottomed Fluorodish [Item#: FD35-100];
- ibidi 35 mm dishes (glass oribiTreat)

Ibidi μ -slides and flow chambers

- ibidi μ -slide I
- ibidi 4 well μ -slide Ph+
- ibidi μ -slide VI^{0.4}

6 well plates

- Corning Costar plastic 6 well, individually wrapped, [Item#: 3516]; or [Item#: 3506];
- Cellvis 6 well glass bottomed plates [Item#: P06-1.5H-N])

12 well plates

- Corning Costar plastic 12 well, individually wrapped [Item#: 3513])
- MatTek 12 well, no. 1.5 coverslip, 14 mm glass diameter, uncoated [Part #: P12G-1.5-14-F]
- Cellvis 12 well glass bottomed plates [Item#: P12-1.5H-N])

24 well plates

- Cellvis 24 well glass bottomed plates [Item#: P24-1.5H-N])
- Corning, COSTAR, 24 -well plastic, individually wrapped, [Cat# 3526]

96 well plates

- Corning Costar plastic 96 well, individually wrapped [Item#: 3603]
- Greiner Screenstar96 well plate [Item#: 655 866]
- Cellvis 96 well glass bottomed plates [Item#: P96-1.5H-N])
- Corning Costar 96 Well Cell Culture Cluster. Flat bottom with low evaporation lid, individually wrapped, [Cat# 3595]

General notes:

Plate quality: The above plates have been routinely tested on the system, however you can also use other suppliers for glass-bottom plates and most individually wrapped HCS (optical quality) plastic types.

Thickness of the plate/dish material is important if you will be working with 40X objective due to the depth of field. We have a 40X with a correction collar that can be used if necessary.

The system can image with a range of plate/dish ECM coatings e.g. fibronectin, polylysine, collagen, cells on Matrigel