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| --- | --- | --- | --- | --- | --- |
| Model type | Typical components | Niches reconstituted | Advantages | Disadvantages | Reference |
| Static OC | Transwells, coated membranes | Blood Brain Barrier (BBB)  Lung niche  Cancer | Low complexity  Low cost  available protocols | Lacks flow rates | **24-32** |
| Dynamic OC | Microfluidics, membranes, 3D cultures | BBB  SVZ  Lung niche  Cancer | More relevant to physiology | High cost  Specialized equipment | **33-38** |
| Biofabricated-3D Bioprinted  Static OC | 3D cultures with hydrogles | BBB  SVZ  Bone | Better 3D microenviroment and precise deposition | High complexity  Specialized equipment | **39-57** |