**Table S2.** Examples of advanced commercial culture systems, including perfusion-based systems and expandable bioreactor set-ups.

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| --- | --- | --- | --- | --- | --- | --- |
| Company name | Product | System type | Cell culture type | Estimated price of complete set-up (USD) | Estimated time for set-up/optimization | Publications |
| Ibidi | ibidi Pump System Quad | perfusion system | adherent | 20,000 – 30,000 | 1-3 months | Del Favero et al., 2018 |
| Ibidi | ibidi Pump System | perfusion system | adherent | 17,000 – 25,000 | 3-5 months | Qu et al., 2020 |
| Ske | CC100 InFlow bioreactor | bioreactor | adherent 3D with scaffold | 50,000 – 60,000 | 3-5 months | - |
| Ske | CC200 InFlow-R bioreactor | bioreactor | adherent with scaffold | 65,000 –75,000 | 3-5 months | - |
| Eppendorf | DASGIP® Parallel Bioreactor Systems | Bioreactor (expandable) | suspension | 100,000 - 600,000 | 3-5 months | Kim et al., 2012  Agabalyan et al., 2017 |
| PALL Biotech | Allegro™ XRS 25 Bioreactor System | bioreactor | suspension | 40,000 - 90,000 | 3-5 months | Hunter et al., 2019 |
| PALL Biotech | Allegro™ STR Single-use Stirred Tank Bioreactors | bioreactor | suspension | 40,000 - 90,000 | 3-5 months | Schirmer et al., 2020 |
| PALL Biotech | iCELLis® Single-Use Fixed-Bed Bioreactor Systems | bioreactor | adherent | 40,000 - 90,000 | 3-5 months | Lesch et al., 2015 |
| PALL Biotech | Xpansion® Multiplate Bioreactor System | bioreactor | adherent | 40,000 - 90,000 | 3-5 months | Lambrechts et al., 2016 |
| Esco Lifesciences GmbH, Germany | CelCradle™ | bioreactor | adherent | 25,000 - 50,000 | 3-5 months | Rhazi et al., 2021 |
| regenerative-medtech | 3D Perfusion Unit | perfusion system | adherent | 20,000 - 40,000 | 3-5 months | - |
| amsbio | Reinnervate Perfusion Plate | perfusion system | adherent | 20,000 - 40,000 | 3-5 months | - |
| Reprocell | Alvetex™ Perfusion Plate and Alvetex Scaffold 6 Well Inserts Kit | perfusion system | adherent | 20,000 - 40,000 | 3-5 months | - |
| Reprocell | Alvetex™ Scaffold Multiwell Plates | perfusion system | adherent | 20,000 - 40,000 | 3-5 months | - |

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