

CEREBRAL COILS

| Company Name | Product Name | Materials Used | Coil Type | Method of Detachment | Key Benefits | FDA Market Cleared |
|---------------------------------|--------------------------------------|--|--|---|--|--------------------|
| Boston Scientific Corporation | GDC | Bare platinum | GDC 3D, GDC 360, GDC Standard, GDC Soft, GDC Soft SR, GDC UltraSoft | Electrolytic detachment | Durable aneurysm occlusion and benefits of healing mechanisms with Matrix biopolymer coating | Yes |
| | Matrix | PGLA, bare platinum | Matrix Firm, Matrix 3D, Matrix 360, Matrix Soft, Matrix SR, Matrix UltraSoft | Electrolytic detachment | | |
| Codman Neurovascular | Trufill DCS Orbit Detachable Coils | Bare platinum | Complex Fill, Complex Standard, Mini Complex Fill, Helical Fill, and Tight Distal Loop technology | Hydraulic detachment | Excellent conformability and concentric filling for outstanding packing density | Yes |
| ev3 Inc. | Axium Detachable Coils | Bare platinum | Framing, filling, finishing | Linear release detachment | Stretch-resistance, optimal balance of softness, stability and volume for increased packing volume | Yes |
| MicroVention Terumo | HydroCoil MicroPlex | Bare-platinum and platinum hydrogel coated coils | MicroPlex coil system (compass/complex for framing helical coils for filling HyperSoft for finishing), HydroCoil and HydroSoft embolic systems, which combine platinum coils and hydrogel technology (HydroSoft for filling/finishing) | V-Grip detachment controller self contained integrated power supply rapid coil detachment: 0.75 seconds | Hydrogel provides increased filling and greater mechanical stability; platinum coils provide versatile framework, stability and conformability | Yes |
| Micrus Endovascular Corporation | Micrus Endovascular Microcoil System | Stretch-resistant bare-platinum and cerecyte-PGA coils | Micrusphere, Presidio, and Cashmere 3D Coils; Helipaq, Ultipaq, and Interpaq 2D Coils | Mechanical detachment using resistive heating | Frontline framing and filling coils; excellent conformability with increased packing volume; cerecyte line of enhanced embolic coils | Yes |