
Publisher's Note and User Guide

This is Grey House Publishing's first edition of *Medical Device Market Place (MDMP)*—the most comprehensive directory resource to the North American medical device market. This work fills an information gap in the medical device industry with detailed profiles of FDA-registered medical device manufacturers and their products. These profiles combine information from the FDA with all-important commerce-crucial details, such as current web sites, annual revenue, year founded, and key executive names. Despite its size, *MDMP* is designed for clarity and ease of use. The two-volume directory is divided into eight sections.

VOLUME 1

Section 1. Medical Device Specialty Index

This index lists device names under one of 19 FDA medical specialty categories. It includes a 3-character code, which is the unique FDA code for each medical device and some manufacturer services. This coding system is used by the FDA for device regulation, manufacturer registration and listing, new-product approval, and product recall and risk notification. The codes are included in *Medical Device Market Place* to assist users with inventory, filing, and ordering systems, and to provide an interface compatible with FDA data.

Note that, although each device is assigned to a particular medical specialty, and thus to one of the FDA's panel of experts for regulatory purposes, it may be used in other medical specialties as well. The 19 medical specialties in this Medical Specialty Index correspond to the FDA's 19 expert panels. Once you have found the correct FDA standard medical device name here, you will be guided to the corresponding entry in the Product Directory to identify manufacturers of the device.

Section 2. Keyword Index

This index lists products alphabetically by more than 1,100 keywords, allowing for grouping of common product names; for example, "Monitors" groups all types of monitors together. This index also includes the 3-character FDA product codes and medical specialties.

Section 3. Product Directory

This is an alphabetical listing of the 4,406 medical devices represented in this work and includes its medical specialty category, the 3-character FDA product code, and manufacturer's name, address and phone number. It is the core of *MDMP*, and lists manufacturers of all devices and services.

Section 4. Geographical Index

This index lists the companies presented in the Manufacturer Profiles (Volume 2) by their geographic location, first by state, with Canada and Mexico listed separately, then by city or municipality within the state.

Section 5. Trademarked Name Index

This index lists trademarked products alphabetically by its trademarked name, followed by their manufacturers. It includes both registered and non-registered trademarks.

Section 6. Subsidiary Index

This index lists owner/parent companies alphabetically, followed by their subsidiaries.

VOLUME 2

Section 1. Manufacturer Profiles

This section is the reverse of the Product Directory in Volume 1. It lists alphabetically the 13,098 FDA-registered manufacturers of medical devices, and includes in-depth company information. Each company name is followed by address, telephone number, and fax and toll-free number, when available. Beneath the contact information is a 7-digit number—the manufacturer's unique FDA number. Like the 3-character FDA product code found in the Product Directory section, this 7-digit number is part of FDA's system of medical device regulation, including establishment registration, manufacturing plant inspection, product approval, and product recall notification. The numbers are included in *MDMP* to help users maintain compatibility of internal data processing and filing systems with FDA. Under the FDA number is the company's web-site and e-mail address, followed by, when available, medical-product sales volume, annual revenue, and year founded.

Other information that can be included in the manufacturer profiles are quality system registration, stock symbols, the exchange on which the stock is traded for those publicly-traded companies, and ownership data. This business information is followed by names and titles of key executives, enabling contact with the appropriate individual or department for further information or quotations.

Key executive names are followed by a list of the products and/or services provided by this manufacturer. These are the same product names under which the manufacturer is listed in the Product Directory. The product name is accompanied by the medical spe-

cialty area associated with the product. This summary product information gives an overview of the manufacturer's services—how many products it offers, which medical specialties it serves, and which specific products it supplies.

A small percentage (16%) of manufacturer profiles do not include a list of products. This indicates either, that the company imports their products, and government regulations prohibit products manufactured overseas from being listed in the FDA da-

tabase, or, that the company did not file product information with the FDA. Since data in *MDMP* is based, in part, on FDA registration data and codes, these products are not listed.

Section 2. Executive Name Index

This index alphabetically lists the 25,598 key executives in *MDMP* and the page number they appear on with their affiliated company.

Medical Specialty Index

ANESTHESIOLOGY

CBL	Absorbent, Carbon-Dioxide	CAG	Circulator, Breathing-Circuit
BSF	Absorber, Carbon-Dioxide	BXJ	Clip, Nose
MOD	Accessory To Continuous Ventilator (Respirator)	BTI	Compressor, Air, Portable
OQU	Airway Monitoring System	BZL	Computer, Oxygen-Uptake
OFO	Airway Suction Kit	BYD	Condenser, Heat And Moisture (Artificial Nose)
CAO	Airway, Esophageal (Obturator)	BZA	Connector, Airway (Extension)
BTQ	Airway, Nasopharyngeal	NFB	Conservar, Oxygen
CAE	Airway, Oropharyngeal, Anesthesiology	OGC	Continuous Brachial Plexus Block Tray (Kit)
BXL	Algesimeter, Manual	NOU	Continuous, Ventilator, Home Use
CCK	Analyzer, Gas, Carbon-Dioxide, Gaseous-Phase	OGP	Cricothyrotomy Kit
CCJ	Analyzer, Gas, Carbon-Monoxide, Gaseous-Phase	BSK	Cuff, Tracheal Tube, Inflatable
NHO	Analyzer, Gas, Desflurane, Gaseous-Phase (Anesthetic Concentration)	OGD	Custom Anesthesia Kit
CBQ	Analyzer, Gas, Enflurane, Gaseous-Phase (Anesthetic Concentration)	CBH	Device, Fixation, Tracheal Tube
CBS	Analyzer, Gas, Halothane, Gaseous-Phase (Anesthetic Conc.)	NHJ	Device, Positive Pressure Breathing, Intermittent
NHQ	Analyzer, Gas, Isoflurane, Gaseous-Phase (Anesthetic Concentration)	BYW	Device, Rebreathing
CCI	Analyzer, Gas, Nitrogen, Gaseous-Phase	BYH	Drain, Tee (Water Trap)
CBR	Analyzer, Gas, Nitrous-Oxide, Gaseous Phase (Anesthetic Conc.)	OGE	Epidural Anesthesia Kit
CCL	Analyzer, Gas, Oxygen, Gaseous-Phase	PMB	External Airway
NHP	Analyzer, Gas, Sevoflurane, Gaseous-Phase (Anesthetic Concentration)	CAH	Filter, Bacterial, Breathing-Circuit
CBZ	Analyzer, Ion, Hydrogen-Ion (Ph), Blood-Phase, Indwelling	BSN	Filter, Conduction, Anesthetic
MRP	Analyzer, Nitric Oxide	BXY	Flowmeter, Calibration, Gas
OFP	Anesthesia Breathing Circuit Kit (Adult & Pediatric)	CCN	Flowmeter, Nonback-Pressure Compensated, Bourdon Gauge
CAZ	Anesthesia Conduction Kit	CAX	Flowmeter, Tube, Thorpe, Back-Pressure Compensated
OFQ	Anesthesia Kit	BWB	Forceps, Tube Introduction
CAC	Apparatus, Autotransfusion	BXK	Gas, Calibration (Specified Concentration)
CBN	Apparatus, Gas-Scavenging	KGK	Gas, Collecting Vessel
MRN	Apparatus, Nitric Oxide Delivery	BSZ	Gas-Machine, Anesthesia
MRO	Apparatus, Nitric Oxide, Backup Delivery	BXH	Gauge, Gas Pressure, Cylinder/Pipeline
CCT	Applicator (Laryngo-Tracheal), Topical Anesthesia	CAW	Generator, Oxygen, Portable
CBT	Arterial Blood Sampling Kit	OGF	Glossopharyngeal Anesthesia Kit
BYE	Attachment, Breathing, Positive End Expiratory Pressure	BZE	Heater, Breathing System W/Wo Controller (Not Humidifier Or Nebulizer)
CBO	Attachment, Intermittant Mandatory Ventilation (Imv)	NVP	Holding Chambers, Direct Patient Interface
BTC	Bag, Reservoir	FOG	Hood, Oxygen, Infant
OFZ	Blood Specimen Collection Kit (Excludes Hiv Testing)	OGG	Humidifier Nebulizer Kit
BYO	Bottle, Blow	KFZ	Humidifier, Non-Direct Patient Interface (Home-Use)
OGA	Brachial Plexus Anesthesia Kit	BTT	Humidifier, Respiratory Gas, (Direct Patient Interface)
EPE	Brush, Cleaning, Tracheal Tube	NXA	Kit, Tracheotomy Care
PDT	Burn Resuscitation Decision Support Software	OGH	Laryngoscope Kit
BRY	Cabinet, Table And Tray, Anesthesia	CAL	Laryngoscope, Non-Rigid
NDC	Calculator, Drug Dose	CCW	Laryngoscope, Rigid
BTY	Calculator, Predicted Values, Pulmonary Function	BSJ	Mask, Gas, Anesthetic
BZC	Calculator, Pulmonary Function Data	BYG	Mask, Oxygen
BZM	Calculator, Pulmonary Function Interpretator (Diagnostic)	BYF	Mask, Oxygen, Low Concentration, Venturi
BXX	Calibrator, Pressure, Gas	KGB	Mask, Oxygen, Non-Rebreathing
BXW	Calibrator, Volume, Gas	KHA	Mask, Scavenging
CAT	Cannula, Nasal, Oxygen	ONZ	Mechanical Ventilator
OEV	Cardiopulmonary Resuscitation Aid Kit	OLF	Medevac Use Oxygen Generator
BZN	Cart, Emergency, Cardiopulmonary (Excluding Equipment)	BXR	Meter, Airway Pressure (Inspiratory Force)
BSO	Catheter, Conduction, Anesthetic	BZH	Meter, Peak Flow, Spirometry
BZB	Catheter, Nasal, Oxygen	BZR	Mixer, Breathing Gases, Anesthesia Inhalation
BSY	Catheters, Suction, Tracheobronchial	CAP	Monitor, Airway Pressure (Includes Gauge And/Or Alarm)
OGB	Caudal Anesthesia Kit	FLS	Monitor, Apnea, Facility Use
BYN	Chair, Posture, For Cardiac And Pulmonary Treatment	NPF	Monitor, Apnea, Home Use
CBF	Chamber, Hyperbaric	BZQ	Monitor, Breathing Frequency
LNZ	Changer, Tube, Endotracheal	LKD	Monitor, Carbon-Dioxide, Cutaneous
CAI	Circuit, Breathing (W Connector, Adaptor, Y Piece)	KLK	Monitor, Oxygen, Cutaneous, For Infant Not Under Gas Anesthesia
		BYP	Mouthpiece, Breathing

OGI Nasal Endotracheal Tube Holder Kit
CAF Nebulizer (Direct Patient Interface)
CCQ Nebulizer, Medicinal, Non-Ventilatory (Atomizer)
BSP Needle, Conduction, Anesthetic (W/Wo Introducer)
BWC Needle, Emergency Airway
MIA Needle, Spinal, Short Term
OGJ Nerve Block Tray (Kit)
OYI Non-Bronchoscopic Bronchoalveolar Lavage Catheter
PHS Oral Airway Assist
OGK Orotracheal Intubation Guide Kit
OGL Oxygen Administration Kit
BYI Percussor, Powered-Electric
CCM Plethysmograph, Pressure
JEH Plethysmograph, Volume
JAX Pneumotachometer
BRW Protector, Dental
OFV Regional Anesthesia Kit
CAN Regulator, Pressure, Gas Cylinder
NHK Resuscitator, Manual, Non Self-Inflating
BXQ Rhinoanemometer (Measurement Of Nasal Decongestion)
BZO Set, Tubing And Support, Ventilator (W Harness)
NVO Spacer, Direct Patient Interface
OFU Spinal Anesthesia Kit
OFT Spinal Epidural Anesthesia Kit
BZG Spirometer, Diagnostic
BZK Spirometer, Monitoring (W/Wo Alarm)
BWF Spirometer, Therapeutic (Incentive)
CBG Spreader, Cuff
BZS Stethoscope Head
BZW Stethoscope, Esophageal
BZT Stethoscope, Esophageal, With Electrical Conductors
BXM Stimulator, Nerve, Ac-Powered
BXN Stimulator, Nerve, Battery-Powered
KOI Stimulator, Nerve, Peripheral, Electric
BRX Stool, Anesthesia
BTK Strap, Head, Gas Mask
BSR Stylet, Tracheal Tube
JAY Support, Breathing Tube
CCX Support, Patient Position
BYL Tent, Oxygen
BYK Tent, Oxygen, Electrically Powered
OFS Tracheal Suction Set (Kit)
OFR Tracheobronchial Suction Catheter Kit
OGV Tracheostomy Cleaning Tray
OGW Tracheostomy Kit
BXP Transducer, Gas Flow
BXO Transducer, Gas Pressure
BYR Transducer, Gas Pressure, Differential
JOH Tube Tracheostomy And Tube Cuff
BTS Tube, Bronchial (W/Wo Connector)
BTR Tube, Tracheal (W/Wo Connector)
CBI Tube, Tracheal/Bronchial, Differential Ventilation (W/Wo Connector)
BTO Tube, Tracheostomy (W/Wo Connector)
BYX Tubing, Pressure And Accessories
BYJ Unit, Liquid-Oxygen, Portable
CBP Valve, Non-Rebreathing
JFE Valve, Switching (Ploss)
CAD Vaporizer, Anesthesia, Non-Heated
CBK Ventilator, Continuous, Facility Use
MNT Ventilator, Continuous, Minimal Ventilatory Support, Facility Use
MNS Ventilator, Continuous, Non-Life-Supporting
BTM Ventilator, Emergency, Manual (Resuscitator)
BTL Ventilator, Emergency, Powered (Resuscitator)
BYT Ventilator, External Body, Negative Pressure, Adult (Cuirass)
BZD Ventilator, Non-Continuous (Respirator)
MNR Ventilatory Effort Recorder

CAM Yoke Assembly, Medical Gas

CARDIOVASCULAR

KRI Accessory Equipment, Cardiopulmonary Bypass
DTL Adaptor, Stopcock, Manifold, Fitting, Cardiopulmonary Bypass
NAJ Agents, Embolic, For Treatment Of Uterine Fibroids
LIX Aid, Cardiopulmonary Resuscitation
DRR Amplifier And Signal Conditioner, Biopotential
DRQ Amplifier And Signal Conditioner, Transducer Signal
MNW Analyzer, Body Composition
DTC Analyzer, Pacemaker Generator Function
OEQ Angiography/Angioplasty Kit
OER Angioscopic Valvulotomy Kit
OED Antimicrobial Blood Pressure Cuff
DWM Apparatus, Suction, Patient Care
MPC Atrial Defibrillator
MKJ Automated External Defibrillators (Non-Wearable)
DSW Bag, Polymeric Mesh, Pacemaker
OZT Balloon Aortic Valvuloplasty
DXQ Blood Pressure Cuff
DSA Cable, Transducer And Electrode, Patient, (Including Connector)
OEX Cardiovascular Catheter Sheath Introducer Kit
DQR Cannula, Catheter
OJQ Cardiac Allograft Gene Expression Profiling Test System
OES Cardiac Catheterization Kit
DQH Cardiograph, Apex (Vibrocardiograph)
OET Cardioplegia Solution Administration Kit
OEU Cardiopulmonary Bypass Catheter Kit
O EZ Cardiovascular Procedure Kit
OFA Cardiovascular Surgical Instruments Tray (Kit)
PDU Catheter For Crossing Total Occlusions
OFB Catheter Guide Wire Kit
OFD Catheter Introducer Kit
PJB Catheter Remote Control System
LIT Catheter, Angioplasty, Peripheral, Transluminal
NVM Catheter, Angioplasty, Peripheral, Transluminal, Dual-Balloon
DWF Catheter, Cannula And Tubing, Vascular, Cardiopulmonary Bypass
KRA Catheter, Continuous Flush
DRF Catheter, Electrode Recording, Or Probe, Electrode Recording
DXE Catheter, Embolectomy
DYG Catheter, Flow Directed
MJN Catheter, Intravascular Occluding, Temporary
DQO Catheter, Intravascular, Diagnostic
OGZ Catheter, Intravascular, Plaque Morphology Evaluation
DQE Catheter, Oximeter, Fiberoptic
DQY Catheter, Percutaneous
MCW Catheter, Peripheral, Atherectomy
OBI Catheter, Pressure Monitoring, Cardiac
NLH Catheter, Recording, Electrode, Reprocessed
DXF Catheter, Septostomy
DRA Catheter, Steerable
NRY Catheter, Thrombus Retriever
OBJ Catheter, Ultrasound, Intravascular
MTD Catheter, Intracardiac Mapping, High-Density Array
LOX Catheters, Transluminal Coronary Angioplasty, Percutaneous
OFE Central Venous Blood Pressure Kit
OFF Central Venous Catheter Tray (Kit)
KRF Charger, Pacemaker
DXC Clamp, Vascular
NMF Clamp, Vascular, Reprocessed
DSS Clip, Vascular
DST Clip, Vena-Cava
DRM Compressor, Cardiac, External
DSK Computer, Blood-Pressure
DXG Computer, Diagnostic, Pre-Programmed, Single-Function

DQK	Computer, Diagnostic, Programmable	OCH	Oximeter, Infrared, Sporting, Aviation
DTQ	Console, Heart-Lung Machine, Cardiopulmonary Bypass	NLF	Oximeter, Reprocessed
DWA	Control, Pump Speed, Cardiopulmonary Bypass	MUD	Oximeter, Tissue Saturation
DWC	Controller, Temperature, Cardiopulmonary Bypass	NMD	Oximeter, Tissue Saturation, Reprocessed
PJA	Coronary Vascular Physiologic Simulation Software	PGJ	Oximeter, Wellness
MJJ	Cpb Check Valve, Retrograde Flow, In-Line	DTZ	Oxygenator, Cardiopulmonary Bypass
OFG	Ct Biopsy Tray (Kit)	DTD	Pacemaker Lead Adaptor
DRK	Dc-Defibrillator, High Energy, (Including Paddles)	DRO	Pacemaker, Cardiac, External Transcutaneous (Non-Invasive)
LDD	Dc-Defibrillator, Low-Energy, (Including Paddles)	DXZ	Patch, Pledget And Intracardiac, Petp, Ptfе, Polypropylene
DTP	Defoamer, Cardiopulmonary Bypass	PCK	Pediatric Ventricular Assist Device
DSI	Detector And Alarm, Arrhythmia	OFK	Percutaneous Atrial Catheter Kit
KRL	Detector, Bubble, Cardiopulmonary Bypass	OFL	Percutaneous Sheath Introducer Kit
DWZ	Device, Biopsy, Endomyocardial	OMH	Pericardial Patch To Facilitate Revision Surgeries
DRN	Device, Counter-Pulsating, External	DTB	Permanent Pacemaker Electrode
MMX	Device, Percutaneous Retrieval	OFM	Phlebotomy Blood Collection Kit
KRD	Device, Vascular, For Promoting Embolization	DQC	Phonocardiograph
OFH	Digital Angiography Tray (Kit)	OAC	Plethysmograph, Air Displacement For Body Composition Analysis
DRE	Dilator, Vessel, For Percutaneous Catheterization	DSB	Plethysmograph, Impedance
DWP	Dilator, Vessel, Surgical	JOM	Plethysmograph, Photoelectric, Pneumatic Or Hydraulic
DXJ	Display, Cathode-Ray Tube, Medical	DPT	Probe, Blood-Flow, Extravascular
DXK	Echocardiograph	LXN	Probe, Test, Heart-Valve
DPS	Electrocardiograph	KRB	Probe, Thermodilution
MLO	Electrocardiograph, Ambulatory, With Analysis Algorithm	KRG	Programmer, Pacemaker
MWJ	Electrocardiograph,Ambulatory(Without Analysis)	DSY	Prosthesis, Vascular Graft, Of 6mm And Greater Diameter
DRX	Electrode, Electrocardiograph	DYF	Prosthesis, Vascular Graft, Of Less Than 6mm Diameter
MLN	Electrode, Electrocardiograph, Multi-Function	OMZ	Pulmonary (Pulmonic) Valvuloplasty Catheters/Percutaneous Valvuloplasty Catheter
LDF	Electrode, Pacemaker, Temporary	DTE	Pulse-Generator, Pacemaker, External
OTD	Endovascular Suturing System	KFM	Pump, Blood, Cardiopulmonary Bypass, Non-Roller Type
PLA	Esophageal Thermal Regulation And Gastric Suctioning Device	DWB	Pump, Blood, Cardiopulmonary Bypass, Roller Type
DTM	Filter, Blood, Cardiopulmonary Bypass, Arterial Line	DSH	Recorder, Magnetic Tape, Medical
JOD	Filter, Blood, Cardiotomy Suction Line, Cardiopulmonary Bypass	DSF	Recorder, Paper Chart
DTK	Filter, Intravascular, Cardiovascular	MXD	Recorder,Event,Implantable Cardiac,(With Arrhythmia Detection)
KRJ	Filter, Prebypass, Cardiopulmonary Bypass	MXC	Recorder,Event,Implantable Cardiac,(Without Arrhythmia Detection)
DPW	Flowmeter, Blood, Cardiovascular	DYE	Replacement Heart-Valve
DXS	Gauge, Pressure, Coronary, Cardiopulmonary Bypass	NPP	Reprocessed Blood Pressure Cuff
JOQ	Generator, Pulse, Pacemaker, External Programmable	OWQ	Reprocessed Intravascular Ultrasound Catheter
MAL	Graft, Vascular, Synthetic/Biologic Composite	DTN	Reservoir, Blood, Cardiopulmonary Bypass
MZY	Graft,Vascular,Stainless Steel Tunneler	KRH	Ring, Annuloplasty
MOF	Guide, Wire, Catheter, Neurovasculature	DTY	Sensor, Blood-Gas, In-Line, Cardiopulmonary Bypass
DTR	Heat-Exchanger, Cardiopulmonary Bypass	NQH	Sensor, Pressure, Aneurysm, Implantable
DTJ	Holder, Heart-Valve, Prosthesis	DTI	Sizer, Heart-Valve, Prosthesis
NZE	Hyperthermia Monitor	JOW	Sleeve, Limb, Compressible
DXY	Implantable Pacemaker Pulse-Generator	NQG	Stabilizer, Heart, Non-Compression, Reprocessed
DXT	Injector And Syringe, Angiographic	MWS	Stabilizer,Heart
NKU	Injector And Syringe, Angiographic, Balloon Inflation, Reprocessed	DQD	Stethoscope, Electronic
IZQ	Injector, Contrast Medium, Automatic	LDE	Stethoscope, Manual
DWS	Instruments, Surgical, Cardiovascular	DSR	Stimulator, Carotid Sinus Nerve
DYB	Introducer, Catheter	DWX	Stripper, Artery, Intraluminal
OFI	Laser Blood Flow Kit	DWQ	Stripper, Vein, External
OFJ	Lead Introducer Kit	DRB	Stylet, Catheter
DTG	Magnet, Test, Pacemaker	DTS	Sucker, Cardiotomy Return, Cardiopulmonary Bypass
KRK	Manometer, Blood-Pressure, Venous	DWD	Suction Control, Intracardiac, Cardiopulmonary Bypass
MAB	Marker, Cardiopulmonary Bypass (Vein Marker)	MAV	Syringe, Balloon Inflation
DTW	Monitor And/Or Control, Level Sensing, Cardiopulmonary Bypass	DSP	System, Balloon, Intra-Aortic And Control
DRY	Monitor, Blood-Gas, On-Line, Cardiopulmonary Bypass	DXX	System, Catheter Control, Steerable
DRT	Monitor, Cardiac (Incl. Cardiotachometer & Rate Alarm)	NDQ	System, Catheter Or Guidewire, Steerable (Magnetic)
DRI	Monitor, Line Isolation	NCX	System, Hypothermia, Intravenous, Cooling
MHX	Monitor, Physiological, Patient(With Arrhythmia Detection Or Alarms)	DXN	System, Measurement, Blood-Pressure, Non-Invasive
MLD	Monitor, St Segment With Alarm	DRJ	System, Signal Isolation
MWI	Monitor,Physiological,Patient(Without Arrhythmia Detection Or Alarms)	DWJ	System, Thermal Regulating
PFA	Non-Invasive Central Venous Manometer	MSX	System,Network And Communication,Physiological Monitors
DQT	Occluder, Catheter Tip	PBL	Temporary Cardiac Support Blood Pump
ORD	Optical Coherence Tomography, Intravascular Catheter	NTE	Temporary Carotid Catheter For Embolic Capture
NSA	Over-The-Counter Automated External Defibrillator	NFA	Temporary Coronary Saphenous Vein Bypass Graft For Embolic Protection
DQA	Oximeter	DRL	Tester, Defibrillator
DPZ	Oximeter, Ear		