

## **Emtree 2018.02 release notes**

With the May 2018 Emtree release, 1019 preferred terms (155 drug terms and 864 non-drug terms) were added compared with the previous version released in January 2018. In total Emtree 2018.02 counts 81,003 preferred terms and over 355,000 synonyms.

### **Drugs and chemicals**

- Incorporation of the United States Adopted Names published from Nov. 2017–Feb. 2018.
- Incorporation of newly approved drugs, drugs under consideration and drug trade names as published by the FDA and EMA from Nov. 2017–Feb. 2018.
- Incorporation of 118 proposed international propriety names (INN) published by the WHO and incorporation of published corrections on previous lists.

### **Medical devices**

- Expansion and synonym enrichment of the ‘medical device’ branch.
- Addition of 3,673 device trade names.
- In total, 615 new medical device concepts were added. Areas of focus include: \*
  - ‘diagnostic kit’ branch: addition of 50 new concepts;
  - \* ‘prosthesis and orthosis’ branch: addition of 54 new concepts;
  - \* ‘catheters and tubes’ branch: addition of 32 new concepts;
  - \* ‘bandages and dressings’ branch: addition of 24 new concepts;
  - \* ‘dental device’ branch: addition of 47 new concepts;
  - \* ‘nerve stimulator’ branch: addition of 14 new concepts;
  - \* ‘ostomy device’ branch’: addition of 13 new concepts;
  - \* ‘forceps’ branch: addition of 10 new concepts;
  - \* ‘endoscope’ branch: addition of 20 new concepts;
  - \* ‘lens implant’ branch: addition of 10 new concepts.
- Review and restructuring of the ‘orthopedic prosthesis and orthosis’ and ‘orthopedic implant’ branches.

### **Disease terms**

Addition of 20 experimental disease terms (example: ‘experimental parasitosis’; ‘kindled seizure’; ‘lipopolysaccharide-induced septic shock’; ‘photothrombotic stroke’)

### **Procedures**

- Addition of ‘chimeric antigen receptor immunotherapy’ together with narrower terms ‘chimeric antigen receptor T-cell immunotherapy’ and ‘chimeric antigen receptor natural killer cell immunotherapy’.
- Gathering of ‘spectroscopy/spectrometry’-branches into one hierarchy and addition of 66 new concepts and frequent synonyms and acronyms.
- Revision of the ‘extracts and extraction’ branch and addition of 6 new concepts.

### **Organisms**

- Addition of 4 new dog breeds.
- Hierarchical improvement of some organism branches (example: giant and red panda).
- Addition and update NCBI of taxonomy IDs, merging and rearrangement of several organism names to follow the NCBI (6 concepts).

## Emtree Terms Added and Changed (May 2018)

This is an overview of new terms added and changes made in the second Emtree release in 2018.

Overall, Emtree has grown by 1,019 preferred terms (155 drug terms and 864 non-drug terms) compared with the previous version released in January 2018. In total Emtree now counts 81,003 preferred terms.

Because the terms added include replacements for existing preferred terms (which become synonyms of the new terms) as well as completely new concepts, the number of terms added exceeds the net growth in Emtree. Other changes could include the merging of two or more existing preferred terms into a single concept.

The terms added and changed are summarized below and specified in detail on the following pages.

### Emtree Terms Added in May 2018

1,104 new terms (including 85 replacement terms and promoted synonyms) were added to Emtree as preferred terms in version May 2018 (compared to January 2018):

- 189 drug terms (terms assigned to the Chemicals and Drugs facet).
- 915 non-drug terms (terms not assigned as Chemicals and Drugs).

The new terms (including the replacement terms and the promoted synonyms) are listed as *Terms Added* on the following pages. Note that many of these terms will have been indexed prior to 2018 (typically as candidate terms), sometimes for several years, before they were added to Emtree.

### Emtree Terms Changed in May 2018

85 terms (36 drug terms and 49 non-drug terms) from Emtree January 2018 have been replaced by 83 different terms in May 2018 (36 drug terms and 47 non-drug terms).

Of these, 56 terms (32 drug terms and 24 non-drug terms) are new (e.g. new generic names for drug chemical names) and have been assigned creation date 2018; the remaining 27 replacement terms (4 drug terms and 23 non-drug terms) were already present in Emtree.

No drug terms were replaced by a non-drug term, no non-drug terms were replaced by a drug term. No preferred terms were deleted.

Changes are presented in alphabetical order of the *new* terms.

## Drug terms

abeprazan  
 abivertinib  
 abrezekimab  
 acetylsalicylic acid plus atorvastatin plus  
     ramipril  
 acetylsalicylic acid plus caffeine  
 acetylsalicylic acid plus caffeine plus  
     paracetamol  
 ach 0144471  
 ak 002  
 aminohydrolase inhibitor  
 amlodipine besylate plus lisinopril  
 apadamtase alfa  
 apraglutide  
 artificial enzyme  
 asalhydromorphone  
 atenolol plus indapamide  
 avasopasem manganese  
 baloxavir  
 belantamab  
 belantamab mafodotin  
 belvarafenib  
 benzhydrocodone plus paracetamol  
 benzoyl peroxide plus erythromycin  
 bersanlimab  
 bifikafusp alfa  
 bizalimogene ralaplasmid  
 borofalan b 10  
 bulevirtide  
 cannabidivarin  
 cedazuridine  
 cedazuridine plus decitabine  
 cellprotect (cell therapy agent)  
 cemiplimab  
 cetrelimab  
 cevidoplenib  
 chemoprotective agent  
 chlorhexidine acetate plus tixocortol pivalate  
 cibusatamab  
 ciforadenant  
 cilofexor  
 cligosiban  
 clotrimazole plus fluconazole  
 conteltinib  
 cusatuzumab  
 cxd 101  
 debio 1347  
 delolimogene mupadenorepvec  
 deutivacaftor  
 diazoxide choline  
 diroleuton  
 dolutegravir plus emtricitabine plus tenofovir  
     alafenamide  
 domatinostat  
 drf 1042  
 edicotinib  
 edit 101  
 efavaleukin alfa  
 efgivanermin alfa  
 efineptakin alfa  
 efinopegdutide  
 eftansomatropin alfa  
 ehp101  
 elismetrep  
 enapotamab  
 enapotamab vedotin  
 epaminurad  
 epeleuton  
 eprinomectin plus fipronil plus methoprene  
     plus praziquantel  
 ertugliflozin plus sitagliptin  
 erythromycin plus zinc acetate  
 estradiol plus estriol plus norethisterone  
     acetate  
 estradiol plus trimegestone  
 etidaligide  
 etigilimab  
 faricimab  
 firsocostat  
 fluoride free prophylaxis toothpaste  
 fluoride prophylaxis toothpaste  
 fluorocyclopentenylcytosine  
 fusion protein  
 gadopiclenol  
 ganaplacide  
 gancotamab  
 glucopyranosyl lipid A  
 glucosamine sulfate plus lidocaine  
 gsk 2857916  
 Haemophilus influenzae type b plus Neisseria  
     meningitidis group C vaccine  
 hora pde6b  
 hora rpe65  
 house dust mite allergen extract  
 ibrexafungerp  
 ibuprofen isobutanolammonium  
 ibuprofen plus heparinoid s  
 idn 7314  
 imaprelimab  
 impression material  
 iscalimab  
 ivabradine plus metoprolol

kl 1333	revosimeline
lanraplenib	rgx 121
lenervimab	ripretinib
leronlimab	risdiplam
licogliflozin	rivoceranib
lifileucel	roblitinib
linerixibat	roluperidone
linzagolix	romilkimab
lisocabtagene maraleucel	saccharomyces boulardii concentrate
livoletide	sag 101
loratadine plus pseudoephedrine	salvecin
macozinone	samrotamab
Marek disease and Newcastle disease vaccine	samrotamab vedotin
mavilimogene ralaplasmid	satoreotide tetraxetan
mavorixafor	satoreotide tetraxetan lu 177
mifepristone plus misoprostol	seclidemstat
mosedipimod	selectin (glycoprotein)
nedisertib	setafrastat
nemorexant	sodium glucose cotransporter 1 inhibitor
netakimab	spinetoram
nevanimibe	sulfatinib
nidufexor	sutimlimab
nirsevumab	tagraxofusp
octenidine plus phenoxyethanol	talditercept alfa
ombipepimut S	tanziertib
omburtamab	tavokinogene telseplasmid
onfekafusp alfa	tavolimab
onvatilimab	tebentafusp
ory 1001	tegavivint
otaplimastat	telratolimod
otilimab	tengonermin
parimifasor	tepoditamab
pegcetacoplan	timbetasin
pemigatinib	tofersen
phosphotransferase activator	tomivosertib
pn 1007	tricaprilin
pooled plasma (human)	troloxamide quinone
porfimer	tumor necrosis factor activator
praconase	upacicalcet
prn1008	valanafusp alfa
prophylaxis toothpaste	valemetostat
prx asl	vanalimab
qr 313	vasculotropin activator
ravagalimab	viltolarsen
rebisufligene etisparovvec	vopratelimab
reldesemtiv	zilucoflan
reproxalap	

## Non-drug terms

8-azaguanine-resistant cell line  
 A2780/R cell line  
 abdominal orthosis  
 accommodative intraocular lens  
 acetic acid-induced gastric ulcer  
 actigraph  
 active support bandage  
 acupressure device  
 acupuncture device  
 acustimulation device  
 Ailuridae  
 Ailuropoda  
 Ailurus  
 airway balloon dilation catheter  
 allergy skin test device  
 alpha spectrometry  
 Americamysis  
 Americamysis bahia  
 Ampullariidae  
 amygdala-kindled seizure  
 anal fistula closure device  
 analgesic infusion pump  
 analytical balance  
 angle resolved photoemission spectroscopy  
 anterior cervical plate  
 antibacterial dressing  
 antimicrobial dressing  
 arm splint  
 arm tourniquet  
 array scanner  
 arterial cannula  
 arthroscopic equipment  
 arthroscopic probe  
 artificial bladder  
 artificial chorda tendinae  
 aspheric contact lens  
 aspheric intraocular lens  
 aspheric toric intraocular lens  
 Asterias amurensis  
 Asterias rubens  
 atmospheric pressure chemical ionization mass spectrometry  
 atomic spectrometry  
 audiovisual recording  
 auditory brainstem response screening device  
 balance training system  
 balloon colonoscope  
 balloon enteroscope  
 bandage retainer  
 BC cell line (breast cancer)  
 Bedlington terrier  
 benzo[a]pyrene resistant cell line  
 beta spectrometry  
 bicuculline-induced seizure  
 bile reflux monitor  
 biliary balloon dilatation catheter  
 bilirubin test kit  
 binocular vision test kit  
 bioinformatics software  
 biopsy punch  
 biopsy valve  
 bipolar forceps  
 birthing pool  
 bite wafer  
 blood transfusion device  
 blunt obturator  
 body splint  
 bone curette  
 bone elevator  
 bone marrow biopsy needle  
 border collie  
 brachytherapy catheter  
 bracket gauge  
 brain-responsive neurostimulator  
 breast cancer prognostic test kit  
 breast examination kit  
 breathing circuit tube  
 BRL cell line (liver)  
 broadband dielectric spectroscopy  
 broxuridine-resistant cell line  
 cadexomer iodine dressing  
 calf implant  
 calibrated spoon  
 calprotectin test kit  
 cancer detection kit  
 cancer prognostic test kit  
 cancer stem cell line  
 capillary electrophoresis-mass spectrometry  
 carbon dioxide cylinder  
 catheter navigation system  
 Cavalier King Charles spaniel  
 cavity ring down spectroscopy  
 celiac disease test kit  
 cell separation device  
 cellular processing device  
 central venous catheter navigation system  
 centric relation  
 cervical spine immobilization device  
 cervical thoracic orthosis  
 chemical ionization mass spectrometry  
 chimeric antigen receptor immunotherapy  
 chimeric antigen receptor natural killer cell  
 chimeric antigen receptor natural killer cell immunotherapy

chimeric antigen receptor T-cell  
 chimeric antigen receptor T-cell immunotherapy  
 Chinese medicine equipment  
 chiropody dressing  
 chiroptical spectroscopy  
 circularly polarized luminescence  
 closed system transfer device  
 closed wound drain  
 Clostridium difficile test kit  
 coagulation surgery  
 cocker spaniel  
 coherent anti Stokes Raman spectroscopy  
 colchicine-resistant cell line  
 cold compress  
 colon content  
 colonic lamina propria  
 colonoscopic accessory  
 colorectal cancer detection kit  
 colorectal cancer prognostic test kit  
 colostomy dressing  
 compress  
 computed tomography simulator  
 computerized rhinomanometer  
 Coniochaeta  
 Coniochaetales  
 consciousness monitor  
 contact lens tonometer  
 contact profilometry  
 continuous glucose monitoring system  
 continuous wavelet transform  
 contrast medium injector  
 contrast sensitivity chart  
 conventional simulator  
 corneal collagen cross-linking device  
 corneal epithelial removal device  
 corrosion casting  
 CPR equipment  
 crash test dummy  
 cryoablation device  
 cryotherapy device  
 Cryptosporidium test kit  
 cystic fibrosis test kit  
 cytocentrifuge  
 dabrafenib-resistant cell line  
 dacryendoscope  
 dactinomycin-resistant cell line  
 data compression  
 daunorubicin-resistant cell line  
 deep brain stimulation electrode  
 deep brain stimulator  
 dental 3D printer  
 dental cheek retractor  
 dental diagnostic handpiece  
 dental dressing

dental grinding and milling machine  
 dental implant guide  
 dental milling machine  
 dental parameters  
 dental polishing  
 dental prosthesis and implant equipment  
 dental prosthesis manufacturing machine  
 dental screw driver  
 dental spacer  
 dental syringe  
 dental tongue retractor  
 dental torque wrench  
 dental wedge  
 denture base material  
 denture gauge  
 denture lining material  
 denture material  
 Desulfurococcus mucosus  
 dexamethasone-resistant cell line  
 diagnostic breathalyzer  
 dielectric relaxation spectroscopy  
 diffuse reflectance infrared Fourier transform spectroscopy  
 spectroscopy  
 diffusing wave spectroscopy  
 digestive endomicroscope  
 discrete wavelet transform  
 dissecting forceps  
 DNA purification kit  
 dorsal dentate gyrus  
 dorsolateral periaqueductal gray  
 dose limiting syringe  
 double balloon enteroscope  
 double lumen hemodialysis catheter  
 dressing forceps  
 drug measuring device  
 drug of abuse test kit  
 drug test kit  
 dual polarization interferometry  
 dysphagia aid  
 ear splint  
 elastic exerciser  
 elbow crutch  
 electroencephalography monitoring  
 electromagnetic tracking device  
 electron impact mass spectrometry  
 electronic autoinjector  
 electronic balance  
 electronic circular dichroism  
 electropalatography speech training system  
 electroporation system  
 electroretinograph  
 electrosurgery forceps  
 encapsulated cell biodelivery device  
 Encyrtidae

endocervical curette  
 endoscope positioning system  
 endoscope sheath  
 endoscope washer-disinfector  
 endoscopic bite block  
 endoscopic light source  
 endoscopic retrograde  
     cholangiopancreatography cannula  
 endoscopic ultrasound processor  
 endovenous sealing device  
 energy dispersive X ray fluorescence  
     spectroscopy  
 engineered amniotic membrane graft  
 engineered cell  
 enzyme assisted extraction  
 epidural access device  
 erection assistance device  
 erlotinib-resistant cell line  
 esophageal atresia repair device  
 esophageal balloon dilatation catheter  
 esophageal brachytherapy catheter  
 esophageal cell sampling device  
 esophagus catheter  
 etoposide-resistant cell line  
 ex vivo lung perfusion device  
 exercise and fitness equipment  
 exhaled breath condensate collection device  
 experimental active cutaneous anaphylaxis  
 experimental alcoholism  
 experimental aspergillosis  
 experimental cerebral hemorrhage  
 experimental drug addiction  
 experimental helminthiasis  
 experimental liver ischemia-reperfusion injury  
 experimental mycosis  
 experimental nociception  
 experimental parasitosis  
 experimental schistosomiasis  
 experimental subarachnoid hemorrhage  
 experimental venous thrombosis  
 experimental viral infection  
 expiratory limb respiratory tube  
 exsanguinator  
 extended X ray absorption fine structure  
     spectroscopy  
 external aorta root prosthesis  
 extraction balloon catheter  
 eye pressure shield  
 eye tracking system  
 eyelid closure weight  
 feature extraction  
 femoral component of hip prosthesis  
 femoral head cartilage  
 fertility monitor

fetal head elevator  
 fiber optic handpiece  
 fiberoptic laryngoscope  
 field asymmetric waveform ion mobility  
     spectrometry  
 field desorption mass spectrometry  
 filter needle  
 finger extension exerciser  
 fire extinguisher  
 fixed orthodontic appliance component  
 flame atomic absorption spectrometry  
 flameless atomic absorption spectrometry  
 flash photolysis  
 flexible laparoscopic scissors  
 flexor tendon prosthesis  
 flow diverter  
 fluorescence in situ hybridization kit  
 fluorophotometer  
 Fourier transform infrared spectroscopy  
 fourier transform ion cyclotron resonance mass  
     spectrometry  
 Fourier transform spectroscopy  
 freezer  
 functional knee brace  
 gait analysis system  
 gait trainer  
 gallbladder wall  
 gamma probe  
 gastric balloon extractor  
 gastrointestinal content  
 gastrostomy button  
 gastrostomy device  
 gel compress  
 genetic disease test kit  
 genu (corpus callosum)  
 Giardia test kit  
 GIST-T1 cell line  
 Gladiolus  
 gluteus implant  
 graft preparation device  
 graft sizing block  
 gynecological scissors  
 halitosis measurement device  
 HBEC cell line (bronchial epithelium)  
 HCE cell line (colon epithelium)  
 HCE cell line (cornea epithelium)  
 HCEC cell line (cornea endothelium)  
 headspace extraction  
 headspace solid phase microextraction  
 healthcare software  
 heart right ventricle wall  
 Helicobacter pylori test kit  
 hematocrit test kit  
 hematocrit centrifuge

hemoglobin test kit  
 hemostatic catheter  
 hemostatic nose clip  
 hemostatic sponge  
 hepatitis B virus test kit  
 hepatitis C virus test kit  
 hepatitis test kit  
 HER2 fluorescence in situ hybridization kit  
 HER2 protein detection kit  
 herpes simplex virus 1 test kit  
 herpes simplex virus 2 test kit  
 herpes simplex virus test kit  
 high resolution scanning electron microscopy  
 high resolution transmission electron  
 microscopy  
 high throughput sequencer  
 hip-knee-ankle-foot orthosis  
 HK-2 [Human kidney] cell line  
 HMEC cell line (microvascular endothelial)  
 HRMEC cell line (kidney)  
 HRMEC cell line (retina)  
 human papillomavirus test kit  
 hybrid contact lens  
 hydrogen breath analyzer  
 hydrogenosome  
 hydrophobic intraocular lens  
 hypoallergenic adhesive tape  
 hysterosalpingogram catheter  
 hysterosalpingography dye injection set  
 ice pack  
 image retrieval device  
 immunoapheresis device  
 immunochemistry analyzer  
 immunochromatographic assay kit  
 immunohistochemical test kit  
 impedance spectroscopy  
 impedance-pH monitor  
 implant depth dental gauge  
 implantable drug delivery system  
 implantable insulin pump  
 implantable peroneal nerve stimulator  
 implantable subthalamic nucleus stimulator  
 implanted spinal ganglion stimulator  
 inductively coupled plasma atomic emission  
 spectrometry  
 inductively coupled plasma mass spectrometry  
 inflatable penile ring  
 influenza virus test kit  
 infrapatellar fat pad  
 infrared skin thermometer  
 infusion rate monitor  
 inhalation capsule  
 injectable knee implant  
 insemination device

inspiratory limb respiratory tube  
 insulin delivery device  
 insulin inhaler  
 intercanine width  
 interferon beta autoinjector  
 interincisal angle  
 intermaxillary fixation device  
 intermolar width  
 internal normalized ratio test strip  
 interventional nuclear magnetic resonance  
 scanner  
 intestine content  
 intra-abdominal white adipose tissue  
 intracompartmental pressure monitor  
 intracorneal lens implant  
 intracoronary attachment  
 intramedullary reamer  
 intraocular capsular anchor  
 intraoperative optical coherence tomography  
 device  
 intraoral camera  
 intraoral suture  
 intraosseous needle  
 intrauterine device retriever  
 intravaginal urethral occlusion device  
 intravasal thread  
 iodine dressing  
 ion mobility spectrometry-mass spectrometry  
 Irpex lacteus  
 irregular surface compensator  
 Jewett brace  
 keratoscopic astigmatic ruler  
 kindled seizure  
 knee immobilizer  
 knee orthosis  
 knee sleeve  
 knee-ankle-foot orthosis  
 krypton chloride laser  
 L form (cell)  
 laparoscopic access suction dome  
 laparoscopic biopsy forceps  
 laparoscopic carbon dioxide insufflator  
 laparoscopic grasping forceps  
 laparoscopic simulator  
 laparotomy sponge  
 laptop  
 laryngeal implant  
 laryngeal keel  
 laryngeal mirror  
 laryngeal speculum  
 laser ablation inductively coupled plasma mass  
 spectrometry  
 laser ablation system  
 laser cutting device



laser desorption ionization mass spectrometry  
 laser Doppler flowmeter  
 laser endoscope  
 laser induced breakdown spectroscopy  
 laser induced fluorescence spectroscopy  
 laser lithotripter  
 laser spectroscopy  
 laser-resistant endotracheal tube  
 lateral septal nucleus  
 latex glove  
 leg orthosis  
 leg splint  
 leg tourniquet  
 Legionella pneumophila test kit  
 Leiurus quinquestriatus  
 Lemna paucicostata  
 leukocytapheresis device  
 lice comb  
 ligature director  
 light-adjustable intraocular lens implant  
 lingual brace  
 lipopolysaccharide-induced septic shock  
 litmus paper  
 local anesthetic device  
 Locusta migratoria migratorioides  
 long leg cast  
 Loricariidae  
 lossless compression  
 lossy compression  
 lower esophageal sphincter stimulation  
 lower esophageal sphincter stimulation system  
 Luer lock syringe  
 lumbo sacral orthosis  
 lumbosacral corset  
 lung brachytherapy catheter  
 Lycopersicon  
 MAC-T cell line  
 Machupo virus  
 magnetic bead separation device  
 mandible implant  
 Martyniaceae  
 maternal aunt  
 maternal uncle  
 maxillary prosthesis  
 mechanical lithotripter  
 mechanical stethoscope  
 medical laser  
 medication adherence monitoring system  
 medicine cup  
 medicine dropper  
 meibography  
 meibography device  
 meningitis test kit  
 mesenteric arterial bed  
 methylation-specific PCR assay kit  
 micro-CT scanner  
 microbial identification system  
 microPET scanner  
 microscope camera  
 microwave ablation device  
 microwave assisted extraction  
 microwave generator  
 military antishock trousers  
 mobile health application  
 moisture barrier dressing  
 moisture chamber spectacles  
 moldable splint  
 monopolar forceps  
 morphine-induced antinociception  
 motor symptoms monitoring device  
 mouth ulcer patch  
 MRI-guided laser ablation device  
 multifocal electroretinograph  
 multifocal toric contact lens  
 multifocal toric intraocular lens  
 Murine hepatitis virus (strain A59)  
 Murine norovirus  
 Murine norovirus 1  
 muscle activity monitor  
 nasal air filter  
 nasal dressing  
 nasal tissue  
 nasogastric feeding apparatus  
 near infrared spectrophotometry  
 needle guide  
 negative staining  
 Neochloris  
 neodymium YVO4 laser  
 nerve conduction testing device  
 nerve conduit  
 neurosensory testing device  
 neurosurgical pad  
 newborn auditory screening device  
 nipple shield  
 nitric oxide breathalyzer  
 non-invasive prenatal test kit  
 nonabsorbable mesh  
 noninvasive glaucoma drainage device  
 noninvasive spinal traction device  
 nontunneled central venous catheter  
 nose speculum  
 NPE cell line (nasopharyngeal epithelium)  
 NPE cell line (non-pigmented epithelium)  
 nuclear track detector  
 Oerskovia  
 ophthalmic drug insert  
 ophthalmic YAG laser  
 ophthalmological monitor

ophthalmological surgical microscope  
 optical coherence tomography - scanning laser  
     ophthalmoscope  
 optical pachymeter  
 optical profilometry  
 optical spectroscopy  
 oral syringe  
 organ transplantation equipment  
 orthodontic aligner  
 orthodontic coil spring  
 orthodontic elastic  
 orthodontic ligature  
 orthopedic hammer  
 orthopedic implant delivery device  
 orthopedic retractor  
 orthopedic screwdriver  
 orthopedic traction wrap  
 orthopedic trocar  
 Osmerus  
 Osmerus mordax  
 osmotically controlled oral drug delivery system  
 osseointegrated implant  
 osteotomy guide  
 ostomy bag protector  
 ostomy barrier ring  
 ostomy dressing  
 ostomy support device  
 otoacoustic emission screening device  
 otorhinolaryngology speculum  
 ouabain-resistant cell line  
 ovulation test kit  
 oxygen blender  
 oxygen concentrator  
 oxygen monitor  
 pacemaker battery  
 Pachysolen  
 Pachysolen tannophilus  
 Palaemon pugio  
 palpebral spring  
 papillotome  
 paraffin embedding  
 paraffin gauze dressing  
 Paramecium bursaria Chlorella virus 1  
 paramedic response kit  
 parastomal hernia support belt  
 paraveterinary worker  
 Pardosa  
 parenteral nutrition bag  
 partial lower denture  
 partial upper denture  
 patency capsule  
 paternal aunt  
 paternal uncle  
 patient simulator

patient slider  
 patient vital sign monitor  
 pavlik harness  
 Pavlova  
 PCR assay kit  
 Pectinophora  
 pectoralis implant  
 pelvic belt  
 pelvic floor muscle exercise trainer  
 penile ring  
 penrose drain  
 Pentatrachomonas  
 Pentatrachomonas hominis  
 percutaneous endoscopic gastrostomy tube  
 perianal support toilet seat  
 pericardial drainage catheter  
 Perkins applanation tonometer  
 Pestalotiopsis  
 pH test strip  
 Phaeobacter  
 Phaeobacter inhibens  
 Phalaenopsis  
 Phallusia  
 pharmacokinetic modeling software  
 Phormidium  
 photic simulator  
 photoelectron spectroscopy  
 photographic paper  
 photopheresis system  
 photoscreener  
 phototherapy lamp  
 photothrombotic stroke  
 phrenic nerve stimulator  
 physical assistive training device  
 Phytoseiulus  
 Phytoseiulus persimilis  
 Pimelodidae  
 pink bollworm  
 Pisaster  
 Pisaster ochraceus  
 Pithomyces  
 Planorbella  
 Planorbella trivolvis  
 Planorbis  
 plant gamete  
 plasma desorption mass spectrometry  
 plaster jacket  
 plaster of Paris bandage  
 plastic embedding  
 Plumeria  
 Plumeria rubra  
 pneumatic balloon  
 pneumatic dental drill  
 pneumatometer

podoscope  
 Pogonomyrmex  
 polymer tooth crown  
 polypectomy snare  
 Pomacea  
 Pomacea canaliculata  
 poodle  
 porcelain jacket crown  
 porcine xenograft bioprosthesis  
 Porites  
 Porites astreoides  
 porous polyethylene orbital implant  
 posterior cervical plate  
 postpyloric feeding tube  
 posture correction brace  
 potential acuity meter  
 povidone iodine dressing  
 Pratylenchus  
 preclinical fluorescence imaging system  
 preclinical MRI scanner  
 preclinical PET-MRI scanner  
 precordial stethoscope  
 pressure support ventilator  
 Proboscidea (plant)  
 Prochilodontidae  
 Prochilodus  
 Prochilodus lineatus  
 profilometry  
 prophylactic knee brace  
 prosthetic vascular graft  
 protein analyzer  
 protein array kit  
 proton transfer reaction mass spectrometry  
 Protophormia  
 Protophormia terraenovae  
 prussian blue staining  
 pseudoisochromatic plate  
 pump probe spectroscopy  
 pyrolysis mass spectrometry  
 radial artery catheter  
 radial artery tourniquet  
 radiation protective drape  
 radioallergosorbent test kit  
 radiofrequency coil  
 radiofrequency generator  
 radiology breast positioning device  
 radiology limb positioning device  
 radiology neck positioning device  
 radiology pelvis positioning device  
 radiology positioning device  
 radiology whole body positioning device  
 radionuclide generator  
 rapid infusion catheter  
 rapid infusion system  
 rapid urease test kit  
 reflectometric interference spectroscopy  
 rehabilitation robot  
 removable retainer  
 removable space maintainer  
 replegle tube  
 respiratory exerciser  
 respiratory gas monitor  
 respiratory monitor  
 respiratory syncytial virus test kit  
 restorative material cannula  
 retraction notice  
 retrograde guidewire  
 rhinospirometer  
 rhodamine 6G dye laser  
 Rhodotorula toruloides  
 rib fracture orthosis  
 rigid cystoscope  
 rigid intramedullary nail  
 ring pessary  
 RMC cell line (retina)  
 RMC-1 cell line (breast adenocarcinoma)  
 rMC-1 cell line (retina)  
 RNA purification kit  
 robotic surgery simulator  
 root canal obturator  
 rotavirus test kit  
 ruby laser  
 Rutherford backscattering spectrometry  
 sacral nerve stimulator  
 sacroiliac orthosis  
 sample preparation system  
 sample purification kit  
 scalp tourniquet  
 scanning laser polarimeter  
 scanning tunneling spectroscopy  
 scar dressing  
 Schiotz tonometer  
 schnauzer  
 scintillation counter  
 scleral fixated intraocular lens  
 sclerectomy implant  
 sclerotherapy needle  
 self-contained breathing apparatus  
 shadowing (histology)  
 sharps container  
 shelf pessary  
 Shetland sheepdog  
 shielding block  
 short bevel needle  
 shoulder brace  
 shoulder spica  
 single balloon enteroscope  
 single energy X ray absorptiometry

single lumen catheter  
 single vision spectacles  
 sinus balloon catheter  
 sinus probe  
 sizing balloon catheter  
 skin expander  
 skin graft donor site dressing  
 skin graft mesher  
 skin grafting instrument  
 skin parasite removal device  
 skin retractor  
 skin stapler  
 skin traction device  
 skinfold calliper  
 small intestine content  
 smoke evacuation device  
 soft cast  
 soil extract  
 specimen container  
 speech synthesizer  
 speech training software  
 spica cast  
 spinal frame  
 spinal ganglion stimulator  
 spinal rod fixation system  
 spine corrector  
 spine orthosis  
 spine spondylolisthesis fixation orthosis  
 splenium  
 sponge forceps  
 sponge holder  
 springer spaniel  
 stadiometer  
 stainless steel crown  
 stainless steel suture  
 standing frame  
 stapes prosthesis  
 staple remover  
 stimulation electromyograph  
 straight-pull headgear  
 subcutaneous port needle  
 suction canister  
 sudomotor function measurement device  
 sugar tong splint  
 sum frequency generation spectroscopy  
 sump drain  
 sun protective clothing  
 supplied-air respirator  
 support bandage  
 surface assisted laser desorption ionization  
     mass spectrometry  
 surface enhanced laser desorption ionization  
     mass spectrometry  
 surface enhanced Raman spectroscopy

surgical driver  
 surgical margin assessment device  
 surgical planning system  
 surgical probe  
 surgical rasp  
 surgical simulator  
 suture button  
 swallow (bird)  
 sweat analyzer  
 sweat collection system  
 syringe pump  
 tablet computer  
 tear test strip  
 telescope lens implant  
 telescopic crown-retained removable partial  
     denture  
 temporomandibular joint prosthesis  
 temporomandibular joint splint  
 tendon forceps  
 tendon tunneler  
 terahertz time domain spectroscopy  
 testicular implant  
 text to speech technology device  
 therapeutic drug test kit  
 thermocouple  
 thoracic orthosis  
 thoracolumbosacral orthosis  
 thumb spica cast  
 tick tweezers  
 tilting disc prosthesis  
 time resolved fluorescence spectroscopy  
 time resolved infrared spectroscopy  
 time resolved mass spectrometry  
 time resolved near infrared spectroscopy  
 time resolved photoelectron spectroscopy  
 time resolved spectroscopy  
 tioguanine-resistant cell line  
 tissue cassette  
 tissue embedding  
 titanium mesh  
 titanium sapphire laser  
 tongue depressor  
 tonometer prism  
 tooth extraction forceps  
 tooth shape  
 toric contact lens  
 toric intraocular lens  
 tourniquet machine  
 tracheoscope  
 tracheostomy button  
 tracheostomy collar  
 tracheostomy device  
 tracheostomy dressing  
 tracheostomy holder

tracheostomy spacer  
 transcranial alternating current stimulation  
 transcranial alternating current stimulator  
 transcranial direct current stimulator  
 transcranial electrical stimulator  
 transcranial random noise stimulation  
 transcranial random noise stimulator  
 transcutaneous vagus nerve stimulator  
 transient absorption spectroscopy  
 transmucosal drug delivery system  
 transpalatal arch  
 transpalpebral tonometer  
 transscleral iontophoresis device  
 treatment planning software  
 Treponema pallidum test kit  
 triclosan eluting ureter stent  
 triple quadrupole mass spectrometry  
 tubular retractor  
 tumor treating field generator  
 tunable diode laser absorption spectroscopy  
 tunneler  
 ultrasonic cavitation device  
 ultrasonic pachymeter  
 ultrasonic scalpel  
 ultrasound assisted extraction  
 ultrasound biomicroscope  
 ultrasound speech training system  
 ultraviolet photoelectron spectroscopy  
 ultraviolet visible spectrophotometry  
 ultraviolet visible spectroscopy  
 unit dose drug distribution system  
 upper ileum  
 urine specimen collector  
 vacuum erection assistance device  
 vascular introducer  
 vastus intermedius muscle  
 vastus muscle  
 ventral dentate gyrus  
 ventral pons  
 ventricular drain  
 ventrolateral periaqueductal gray  
 vibrational circular dichroism  
 vibrational spectroscopy  
 Vibrio cholerae test kit  
 video game console  
 video processor  
 videotoscope  
 virtual reality simulator  
 visible spectrophotometry  
 warm compress  
 water jet dissector  
 waterproof cast  
 wavelength dispersive X ray fluorescence spectroscopy

wavelength dispersive X ray spectroscopy  
 wavelet transformation  
 wearable computer  
 West Highland white terrier  
 white cane  
 widefield microscope  
 wind farm  
 wound closure strip  
 X ray absorptiometry  
 X ray absorption near edge structure spectroscopy  
 X ray emission spectroscopy  
 X ray fluorescence spectrometry  
 x ray image enhancer  
 X ray photoemission spectroscopy  
 x ray processing unit  
 x ray protective clothing  
 X ray spectroscopy  
 xenograft dressing  
 YAMC cell line

## Drug terms

### New or pre-existing term

*\* indicates pre-existing term*

acetylsalicylic acid plus caffeine plus paracetamol  
 apadamtase alfa  
 benzoyl peroxide plus erythromycin  
 bevacizumab\*  
 borofalan b 10  
 caffeine plus paracetamol plus propyphenazone\*  
 cligosiban  
 diroleuton  
 erythromycin plus zinc acetate  
 estradiol plus norethisterone acetate\*  
 faricimab  
 fusion protein  
 house dust mite allergen extract  
 leronlimab  
 loratadine plus pseudoephedrine  
 mavorixafor

nalotimagene carmaleucel\*  
 nevanimibe

omburtamab  
 ory 1001  
 otilimab  
 pegcetacoplan  
 pooled plasma (human)  
 porfimer  
 rivoceranib  
 romilkimab  
 saccharomyces boulardii concentrate  
 satoreotide tetraxetan  
 selectin (glycoprotein)  
 tagraxofusp  
 tanziertib

tavolimab  
 timbetasin  
 tofersen  
 tricaprilin  
 zilucoplan

### Old (replaced) term

*These terms become synonyms of the new term*

excedrin  
 shp655  
 benzamycin  
 bevacizumab beta  
 4 boronophenylalanine b 10  
 saridon  
 pf 3274167  
 dihydro gamma linolenic acid  
 zineryt  
 trisequens  
 ro 6867461  
 hybrid protein  
 house dust mite allergen extract  
 PRO 140  
 claritin D  
 8 [(4 aminobutyl)(2 benzimidazolylmethyl)amino] 1,2,3,4  
 tetrahydroquinoline  
 zalmoxis (drug)  
 1 (2,6 diisopropyl) 3 [[1 [4  
 (dimethylamino)phenyl]cyclopentyl]methyl]urea  
 burtomab  
 1 amino 4 (2 phenylcyclopropylamino)cyclohexane  
 gsk 3196165  
 apl 2  
 octaplas  
 photofrin  
 apatinib  
 sar 156597  
 perenterol  
 ops201  
 selectin  
 diphtheria toxin interleukin 3  
 2 [1 [(6 amino 5 cyano 4 pyrimidinyl)amino]ethyl] 3,4  
 dihydro 4 oxo 3 phenylpyrrolo[2,1 f][1,2,4]triazine 5  
 carbonitrile  
 tavolixizumab  
 thymosin beta4  
 isis sod1rx  
 trioctanoin  
 ra 101495

## Non-drug terms

### New or pre-existing term

*\* indicates pre-existing term*

A-549 cell line\*  
 Americamysis bahia  
 BC cell line (breast cancer)  
 BGC-823 cell line\*  
 CEM/C1 cell line\*  
 Debaryomyces hansenii\*  
 Desulfurococcus mucosus  
 DNA microarray\*  
 elbow prosthesis\*  
 experimental liver ischemia-reperfusion injury  
 femur prosthesis\*  
 GIST-T1 cell line  
 HBEC cell line (bronchial epithelium)  
 HCE cell line (colon epithelium)  
 HCE cell line (cornea epithelium)  
 HCEC cell line (cornea endothelium)  
 HMEC cell line (microvascular endothelial)  
 HRMEC cell line (kidney)  
 HRMEC cell line (retina)  
 impedance spectroscopy  
 infrared spectroscopy\*  
 joint prosthesis\*  
 knee prosthesis\*  
 NPE cell line (nasopharyngeal epithelium)  
 NPE cell line (non-pigmented epithelium)  
 orthokeratology lens\*  
 Palaemon\*  
 Palaemon pugio  
 patella prosthesis\*  
 Penicillium\*  
 photoacoustic spectroscopy\*  
 photoelectron spectroscopy  
 retraction notice  
 Rhodotorula\*  
 Rhodotorula toruloides  
 RMC cell line (retina)  
 RMC-1 cell line (breast adenocarcinoma)  
 rMC-1 cell line (retina)  
 spectrofluorometry\*  
 spectroscopy\*  
 swallow (bird)  
 tendon prosthesis\*  
 Theileria equi\*  
 thumb joint prosthesis\*  
 ulna head prosthesis\*  
 wrist prosthesis\*  
 X ray spectroscopy  
 X ray spectroscopy

### Old (replaced) term

*These terms become synonyms of the new term*

A-459 cell line  
 Mysidopsis bahia  
 BC cell line  
 BCG cell line  
 C1 cell line  
 Candida famata  
 Desulfurococcus mobilis  
 gene array  
 elbow implant  
 ischemia-reperfusion-induced liver injury  
 femur implant  
 GIST-T-1 cell line  
 HBEC cell line (bronchial)  
 HCE cell line (colon)  
 HCE cell line (cornea)  
 HCEC cell line (cornea)  
 HMVEC cell line  
 HRMEC cell line (renal)  
 HRMEC cell line (retinal)  
 electrochemical impedance spectroscopy  
 infrared spectrometry  
 joint endoprosthesis  
 knee endoprosthesis  
 NPE cell line (nasopharyngeal)  
 NPE cell line (non-pigmented)  
 overnight contact lens  
 Palaemonetes  
 Palaemonetes pugio  
 patellar implant  
 Eupenicillium  
 photoacoustic spectrometry  
 X ray photoelectron spectroscopy  
 retracted article  
 Rhodosporidium  
 Rhodosporidium toruloides  
 RMC cell line (retinal)  
 RMC-1 cell line  
 rMC-1 [retinal] cell line  
 fluorescence spectroscopy  
 spectrometry  
 swallow  
 tendon implant  
 Babesia equi  
 thumb joint implant  
 ulna head implant  
 wrist implant  
 X ray spectrometry  
 roentgen spectroscopy