

CPI New Codes Final

Errata:
 The manual codes **A01-E15**, **A01-E16** and **A07-E07C1** were included in error in the final list of new CPI codes, these three codes have now been removed.
 The manual code **A12-W14 "Nanotechnology"** was omitted from the final list of new CPI codes and has now been added.
 Apologies for any inconvenience that this may have caused.

Proposed code or area of interest	REASON	Name	Description	Previously coded as	Notes
Section A PLASDOC					
A12 Polymer Applications					
A12-W07F2	New	Printing substrates	e.g ink-jet printing paper	A12-W07	
A12-W14	New	Nanotechnology	e.g. electrical nano-devices (with A12-E+), micro-mechanical machines (with A12-H+) and nanotechnology applications in medicine (with A12-V+). Use with other application codes as appropriate	None	
Section B FARMDOC					
B04 Natural Products (or Genetically Engineered), Polymers					
B04-E02J	New	Nucleic acids encoding antigens	For altered nucleic acid sequences of this nature	B04-E02F	
B04-E03J	New	Nucleic acids encoding antigens	For wild type nucleic acid sequences of this nature	B04-E03F	
B04-E07F	New	Aptamer		B04-E07	
B04-F11A1	New	Adenovirus	Includes adeno-associated virus	B04-F11A	
B04-F11A1E	New	Adenovirus (genetically engineered)		B04-F11A	
B04-F11B1	New	Retrovirus		B04-F11B	
B04-F11B1E	New	Retrovirus (genetically engineered)		B04-F11B	
B05 Miscellaneous					
B05-A04A	New	Deuterium		None	
B05-A04B	New	Tritium		B05-A04	
B05-A04C	New	Carbon isotopes	Excludes Carbon 12	B05-A04 (if radioactive) otherwise None	
B05-A04D	New	Iodine isotopes	Excludes Iodine 127	B05-A04	
B05-A04E	New	Other radioactive isotope		B05-A04	
B05-A04F	New	Other non-radioactive isotope		None	
B11 Processes, Apparatus					
B11-C01E	New	Amplification processes for production		B11-A02B1	
B11-C04G	New	Tissue engineering technologies	To include wound care technologies (incl. care for fractures, e.g. bone cement and tissue lesions), stem cell therapeutic applications (e.g. epidermis regeneration), tissue and organ production, e.g. by inkjet printers and tissue scaffold/matrix use.	B11-C04, B11-C04A or B11-C04F	
B11-C08C1	New	Microfluidic devices		B11-C08C	
B12 Diagnosis and Formulation Types					
B12-K04A8	New	Diagnosis of immunological disorders		B12-K04A	
B12-K04C3	New	Positron emission tomography		B12-K04C	
B12-K04E3	New	Other drug testing		B12-K04E	
B12-M20	New	Taste masking agent		None	
B12-M21	New	Absorbent, accelerator		None	
B14 Pharmaceutical Activities					
B14-L01A1	New	Oxidoreductase agonist		B14-L01A	
B14-L01A2	New	Transferase agonist		B14-L01A	
B14-L01A3	New	Hydrolase agonist		B14-L01A	
B14-L01A4	New	Lyase agonist		B14-L01A	
B14-L01A5	New	Isomerase agonist		B14-L01A	
B14-L01A6	New	Synthetase agonist		B14-L01A	
B14-L01D	New	Nitric oxide agonist		B14-L01	
B14-L06D	New	Nitric oxide antagonist		B14-L06	

Section C AGDOC					
C04 Natural Products (or Genetically Engineered), Polymers					
C04-E02J	New	Nucleic acids encoding antigens	For altered nucleic acid sequences of this nature	C04-E02F	
C04-E03J	New	Nucleic acids encoding antigens	For wild type nucleic acid sequences of this nature	C04-E03F	
C04-E07F	New	Aptamer		C04-E07	
C04-F11A1	New	Adenovirus		C04-F11A	
C04-F11A1E	New	Adenovirus (genetically engineered)		C04-F11A	
C04-F11B1	New	Retrovirus		C04-F11B	
C04-F11B1E	New	Retrovirus (genetically engineered)		C04-F11B	
C05 Miscellaneous					
C05-A04A	New	Deuterium		None	
C05-A04B	New	Tritium		C05-A04	
C05-A04C	New	Carbon isotopes	Excludes Carbon 12	C05-A04 (if radioactive) otherwise None	
C05-A04D	New	Iodine isotopes	Excludes Iodine 127	C05-A04	
C05-A04E	New	Other radioactive isotope		C05-A04	
C05-A04F	New	Other non-radioactive isotope		None	
C11 Processes, Apparatus					
C11-C01E	New	Amplification processes for production		C11-A02B1	
C11-C04G	New	Tissue engineering technologies	Includes wound care technologies (such as care for fractures, e.g. bone cement and tissue lesions), stem cell therapeutic applications (e.g. epidermis regeneration), tissue and organ production, (e.g. by inkjet printers) and tissue scaffold/matrix use.	C11-C04, C11-C04A or C11-C04F	
C11-C08C1	New	Microfluidic devices		C11-C08C	
C12 Diagnosis and Formulation Types					
C12-K04A8	New	Diagnosis of immunological disorders		C12-K04A	
C12-K04C3	New	Positron emission tomography		C12-K04C	
C12-K04E3	New	Other drug testing		C12-K04E	
C12-M20	New	Taste masking		None	
C12-M21	New	Absorbent, accelerator		None	
C14 Agricultural Activities					
C14-L01A1	New	Oxidoreductase agonist		C14-L01A	
C14-L01A2	New	Transferase agonist		C14-L01A	
C14-L01A3	New	Hydrolase agonist		C14-L01A	
C14-L01A4	New	Lyase agonist		C14-L01A	
C14-L01A5	New	Isomerase agonist		C14-L01A	
C14-L01A6	New	Synthetase agonist		C14-L01A	
C14-L01D	New	Nitric oxide agonist		C14-L01	
C14-L06D	New	Nitric oxide antagonist		C14-L06	

Section D Food, Fermentation, Disinfectants, Detergents					
D03 Foodstuffs and Treatment					
D03-H01E1	New	Natural food colorant		D03-H01E	
D03-H01E2	New	Synthetic food colorant		D03-H01E	
D03-H01V	New	Jam/marmalade/other conserve		D03-H01J	
D03-S	New	Baby food only	Used in conjunction with other codes in section D e.g. D03-H01L, D03-B07 etc.	None	
D04 Treating Water, Waste Water and Sewage					
D04-A06	New	Apparatus for recycling waste water		None	
D05 Fermentation Industry					
D05-A04D	New	Fermented foods		D03-H01	
D05-H20	New	Electroporation devices		D05-H18 if used with DNA otherwise None	
D08 Cosmetics, Dental, Toilet Preparations					
D08-B01D1	New	Skin whitening agent		D08-B01D	
D08-B09A1A	New	Liquid skin care formulation		D08-B09A1	
D08-B09A1B	New	Solid skin care formulation		D08-B09A1	
D08-B09A2A	New	Liquid personal face and body wash		D08-B09A2	
D08-B09A2B	New	Solid personal face and body wash		D08-B09A2	
D09 Sterilising and disinfecting, Bandages and Dressings					
D09-C01E	New	Tissue engineering scaffold		D09-C	
Section H Petroleum					
H01 Crude Oil and Natural Gas					
H01-B03C6	New	Drilling Riser			
H06 Gaseous and Liquid Fuels					
H06-C03B1	New	Selective Catalytic Reduction (SCR)	Injection of small amounts of urea and water into hot ic. Engine exhaust gas to reduce NOX production		
H07 Lubricants and Lubrication					
H07-A02A	New	Carboxylic esters			
H07-A02B	New	Polyalkylene glycols (PAGS), polyalkylene oxide, polyoxyalkylenes			
H08 Other Petroleum Products					
H08-D11	New	Refrigeration lubricants	Replaces H07-D11. See also J07-A09		All H07-D11 coded documents will be corrected to H08-D11.
Section J Chemical Engineering					
J01 Separation					
J01-H02C	New	With antibacterial effect	Replaces J01-H03.		All J01-H03 coded documents will be corrected to J01-H02C.
J04 Chemical/Physical Processing Apparatus					
J04-C02D	New	Mechanical properties, e.g. creep resistance			
J04-E11	New	Catalyst Production			
J06 Storing/ Distributing Gases/ Liquids					
J06-B08	New	Control	Includes controlling flow rates, thermal energy management, safety arrangements, etc.		
J07 Refrigeration, Ice, Liquefaction/Solidification					
J07-A10	New	Refrigeration and a/c sealants	Injecting into systems to seal pinholes. Includes e.g. organosilanes.		
J08 Heat Transfer and Drying					
J08-F05	New	Compression Drying methods			
J08-G07	New	Compression Dryers			
J08-H02	New	Through air drying			

Section L Glass, Ceramics, Electro(in)organics**L03 Electro(in)organics**

L03-A02G	New	Conductive nanomaterials	Includes nanotube, nanowire manufacture. See also L02-H04B for carbon nanostructures.		
L03-B03G1	New	Inorganic capacitor electrodes			
L03-B03J	New	Multilayer capacitors			
L03-E04B2	New	Membrane electrodes			
L03-E04J	New	Hydrogen storage materials	See also J06-B06A		
L03-G05B5A	New	Sealant materials involving resins used in display materials			
L03-G09G	New	Fluorescent and luminescent materials for semiconductor manufacture	Used in e.g. LEDs, lasers		
L03-H04E6A	New	Adhesives/adhesive joining for PCBs			

L04 Semiconductors

L04-C10A1	New	Electrical fuses	Used in CMOS compatible processes. For chip ID, serial number, feature selection, memory redundancy, One-Time Programmable (OTP), Silicide layers.		
L04-D04A	New	Plasma etching apparatus			
L04-D04B	New	Plasma bombardment apparatus for layer deposition			

Section M Metallurgy**M13 Non-Electrolytic Coating**

M13-G02B	New	Magnetrons (in sputtering apparatus)			
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