

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1720

DATE: JANUARY 1, 2025

PROJECT RP12357

The following classification changes will be effected by this Notice of Changes:

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols Deleted:	A01N	1/02, 1/0205, 1/021, 1/0215, 1/0221, 1/0226, 1/0231, 1/0236, 1/0242, 1/0247, 1/0252, 1/0257, 1/0263, 1/0268, 1/0273, 1/0278, 1/0284, 1/0289, 1/0294
Symbols New:	A01N	1/10, 1/12, 1/122, 1/124, 1/125, 1/126, 1/128, 1/14, 1/142, 1/143, 1/144, 1/145, 1/146, 1/147, 1/148, 1/16, 1/162, 1/165, 1/168
	C12N	5/52, 5/522, 5/524, 5/525, 5/526, 5/528, 5/54, 5/542, 5/544, 5/545, 5/546, 5/547, 5/548, 5/56, 5/562, 5/565, 5/568
Titles Changed:	A61J	1/165
Warnings New:	A01N	1/12, 1/122, 1/124, 1/125, 1/126, 1/128, 1/14, 1/142, 1/144, 1/145, 1/146, 1/147, 1/148, 1/16, 1/162, 1/165, 1/168
	A61J	1/10, 1/12, 1/16, 1/165
	A61M	1/0272, 1/0277
	C12N	5/52, 5/522, 5/524, 5/525, 5/526, 5/528, 5/54, 5/542, 5/544, 5/545, 5/546, 5/547, 5/548, 5/56, 5/562, 5/565, 5/568
DEFINITIONS:		
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)	A01N	1/02, 1/0215, 1/0231, 1/0236, 1/0263, 1/0273, 1/0294
Definitions New:	A01N	1/10, 1/124, 1/128, 1/14, 1/146, 1/148, 1/162
	C12N	5/52, 5/54, 5/546, 5/548, 5/562
Definitions Modified:	C12N	1/04, 5/00

The following subclasses/groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL): A01K, A61B, A61L, B01L, C12M, F25D

This Notice of Changes includes the following *[Check the ones included]*:

1. CLASSIFICATION SCHEME CHANGES

- ☒ A. New, Modified or Deleted Group(s)
- ☒ B. New, Modified or Deleted Warning(s)
- ☐ C. New, Modified or Deleted Note(s)

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☐ D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

☒ A. New or Modified Definitions (Full definition template)

☒ B. Modified or Deleted Definitions (Definitions Quick Fix)

3. ☒ REVISION CONCORDANCE LIST(RCL)

4. ☒ CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5. ☒ CHANGES TO THE CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS A01N - PRESERVATION OF BODIES OF HUMANS OR ANIMALS OR PLANTS OR PARTS THEREOF; BIOCIDES, e.g. AS DISINFECTANTS, AS PESTICIDES OR AS HERBICIDES; PEST REPELLANTS OR ATTRACTANTS; PLANT GROWTH REGULATORS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
D	A01N1/02	1	Preservation of living parts	<administrative transfer to A01N1/10>
D	A01N1/0205	2	{Chemical aspects}	<administrative transfer to A01N1/12>
D	A01N1/021	3	{Preservation or perfusion media, liquids, solids or gases used in the preservation of cells, tissue, organs or bodily fluids}	<administrative transfer to A01N1/122>
D	A01N1/0215	4	{Disinfecting agents, e.g. antimicrobials for preserving living parts}	<administrative transfer to A01N1/124>
D	A01N1/0221	4	{Freeze-process protecting agents, i.e. substances protecting cells from effects of the physical process, e.g. cryoprotectants, osmolarity regulators like oncotic agents}	<administrative transfer to A01N1/125>
D	A01N1/0226	4	{Physiologically active agents, i.e. substances affecting physiological processes of cells and tissue to be preserved, e.g. anti-oxidants or nutrients}	<administrative transfer to A01N1/126>
D	A01N1/0231	3	{Chemically defined matrices, e.g. alginate gels, for immobilising, holding or storing cells, tissue or organs for preservation purposes; Chemically altering or fixing cells, tissue or organs, e.g. by cross-linking, for preservation purposes}	<administrative transfer to A01N1/128>
D	A01N1/0236	2	{Mechanical aspects}	<administrative transfer to A01N1/14>
D	A01N1/0242	3	{Apparatuses, i.e. devices used in the process of preservation of living parts, such as pumps, refrigeration devices or any other devices featuring moving parts and/or temperature controlling components}	<administrative transfer to A01N1/142>

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D	A01N1/0247	4	{for perfusion, i.e. for circulating fluid through organs, blood vessels or other living parts}	<administrative transfer to A01N1/143>
D	A01N1/0252	4	{Temperature controlling refrigerating apparatus, i.e. devices used to actively control the temperature of a designated internal volume, e.g. refrigerators, freeze-drying apparatus or liquid nitrogen baths}	<administrative transfer to A01N1/144>
D	A01N1/0257	5	{Stationary or portable vessels generating cryogenic temperatures}	<administrative transfer to A01N1/145>
D	A01N1/0263	3	{Non-refrigerated containers specially adapted for transporting or storing living parts whilst preserving, e.g. cool boxes, blood bags or "straws" for cryopreservation}	<administrative transfer to A01N1/146>
D	A01N1/0268	4	{Carriers for immersion in cryogenic fluid, both for slow-freezing and vitrification, e.g. open or closed "straws" for embryos, oocytes or semen}	<administrative transfer to A01N1/147>
D	A01N1/0273	4	{Transport containers (A01N1/0268 takes precedence)}	<administrative transfer to A01N1/148>
D	A01N1/0278	2	{Physical preservation processes}	<administrative transfer to A01N1/16>
D	A01N1/0284	3	{Temperature processes, i.e. using a designated change in temperature over time}	<administrative transfer to A01N1/162>
D	A01N1/0289	3	{Pressure processes, i.e. using a designated change in pressure over time}	<administrative transfer to A01N1/165>
D	A01N1/0294	3	{Electromagnetic, i.e. using electromagnetic radiation or electromagnetic fields}	<administrative transfer to A01N1/168>
N	A01N1/10	1	Preservation of living parts	
Q	A01N1/12	2	Chemical aspects of preservation	A01N1/12, C12N5/52
Q	A01N1/122	3	Preservation or perfusion media	A01N1/122, C12N5/522
Q	A01N1/124	4	Disinfecting agents, e.g. antimicrobials	A01N1/124, C12N5/524
Q	A01N1/125	4	Freeze protecting agents, e.g. cryoprotectants or osmolarity regulators	A01N1/125, C12N5/525

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Q	A01N 1/126	4	Physiologically active agents, e.g. antioxidants or nutrients	A01N1/126, C12N5/526
Q	A01N 1/128	3	Chemically defined matrices for immobilising, holding or storing living parts, e.g. alginate gels; Chemically altering living parts, e.g. by cross-linking	A01N1/128, C12N5/528
Q	A01N 1/14	2	Mechanical aspects of preservation; Apparatus or containers therefor	A01N1/14, A61M1/0272, A61M1/0277, C12N5/54
Q	A01N 1/142	3	Apparatus	A01N1/142, A61M1/0272, A61M1/0277, C12N5/542
N	A01N 1/143	4	for organ perfusion	
Q	A01N 1/144	4	for temperature control, e.g. refrigerators or freeze-drying apparatus	A01N1/144, C12N5/544
Q	A01N 1/145	5	Stationary or portable vessels generating cryogenic temperatures, e.g. liquid nitrogen baths	A01N1/145, C12N5/545
Q	A01N 1/146	3	Non-refrigerated containers specially adapted for transporting or storing living parts whilst preserving	A01N1/146, A61J1/10, A61M1/0272, A61M1/0277, C12N5/546
Q	A01N 1/147	4	Carriers for immersion in cryogenic fluid for slow freezing or vitrification	A01N1/147, C12N5/547
Q	A01N 1/148	4	with provisions specially adapted for transporting	A01N1/148, C12N5/548
Q	A01N 1/16	2	Physical preservation processes	A01N1/16, C12N5/56
Q	A01N 1/162	3	Temperature processes, e.g. following predefined temperature changes over time	A01N1/162, C12N5/562
Q	A01N 1/165	3	Pressure processes, e.g. following predefined pressure changes over time	A01N1/165, C12N5/565
Q	A01N 1/168	3	using electromagnetic fields or radiation; using acoustic waves or corpuscular radiation	A01N1/168, C12N5/568

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SUBCLASS A61J - CONTAINERS SPECIALLY ADAPTED FOR MEDICAL OR PHARMACEUTICAL PURPOSES; DEVICES OR METHODS SPECIALLY ADAPTED FOR BRINGING PHARMACEUTICAL PRODUCTS INTO PARTICULAR PHYSICAL OR ADMINISTERING FORMS; DEVICES FOR ADMINISTERING FOOD OR MEDICINES ORALLY; BABY COMFORTERS; DEVICES FOR RECEIVING SPITTLE

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
C	A61J 1/10	2	Bag-type containers	A61J1/10, C12N5/54, C12N5/542, C12N5/544, C12N5/545, C12N5/546, C12N5/547, C12N5/548
C	A61J 1/12	3	with means for holding samples of contents	A61J1/12, C12N5/54, C12N5/542, C12N5/544, C12N5/545, C12N5/546, C12N5/547, C12N5/548
C	A61J 1/16	2	Holders for containers	A61J1/16, C12N5/54, C12N5/542, C12N5/544, C12N5/545, C12N5/546, C12N5/547, C12N5/548
C	A61J 1/165	3	{ Cooled holders, e.g. for medications, insulin, blood or plasma }	A61J1/165, C12N5/54, C12N5/542, C12N5/544, C12N5/545, C12N5/546, C12N5/547, C12N5/548

SUBCLASS A61M - DEVICES FOR INTRODUCING MEDIA INTO, OR ONTO, THE BODY
(introducing media into or onto the bodies of animals A61D 7/00; means for inserting tampons A61F 13/26;
devices for administering food or medicines orally A61J; containers for collecting, storing or administering
blood or medical fluids A61J 1/05); DEVICES FOR TRANSDUCING BODY MEDIA OR FOR TAKING
MEDIA FROM THE BODY (surgery A61B; chemical aspects of surgical articles A61L); DEVICES FOR
PRODUCING OR ENDING SLEEP OR STUPOR {(Electrotherapy, e.g. producing anaesthesia by the use
of alternating or intermittent currents A61N 1/36021)}

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of dots</u> <u>(e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
C	A61M1/0272	2	{ Apparatus for treatment of blood or blood constituents prior to or for conservation, e.g. freezing, drying or centrifuging }	A61M1/0272, C12N5/54, C12N5/542, C12N5/544, C12N5/545, C12N5/546, C12N5/547, C12N5/548
C	A61M1/0277	3	{ Frames constraining or supporting bags, e.g. during freezing }	A61M1/0277, C12N5/54, C12N5/542, C12N5/544, C12N5/545, C12N5/546, C12N5/547, C12N5/548

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**SUBCLASS C12N - MICROORGANISMS OR ENZYMES; COMPOSITIONS THEREOF;
PROPAGATING, PRESERVING, OR MAINTAINING MICROORGANISMS; MUTATION OR
GENETIC ENGINEERING; CULTURE MEDIA**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
U	C12N5/166	4	{resulting from interspecies fusion}	
N	C12N5/52	1	{Chemical aspects of preservation of animal cells or human cells (Preservation of excised living parts of human of bodies A01N1/10)}	
N	C12N5/522	2	{Preservation media}	
N	C12N5/524	3	{Disinfecting agents, e.g. antimicrobials}	
N	C12N5/525	3	{Freeze protecting agents, e.g. cryoprotectants or osmolarity regulators}	
N	C12N5/526	3	{Physiologically active agents, e.g. antioxidants or nutrients}	
N	C12N5/528	2	{Chemically defined matrices for immobilising, holding or storing animal or human cells, e.g. alginate gels; Chemically altering animal or human cells}	
N	C12N5/54	1	{Mechanical aspects of preservation of animal cells or human cells; Apparatus or containers therefor (Preservation of excised living parts of human of bodies A01N1/10)}	
N	C12N5/542	2	{Apparatus}	
N	C12N5/544	3	{for temperature control, e.g. refrigerators or freeze-drying apparatus}	

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N	C12N5/545	4	{ Stationary or portable vessels generating cryogenic temperatures, e.g. liquid nitrogen baths }	
N	C12N5/546	2	{ Non-refrigerated containers specially adapted for transporting or storing animal cells or human cells whilst preserving }	
N	C12N5/547	3	{ Carriers for immersion in cryogenic fluid for slow freezing or vitrification }	
N	C12N5/548	3	{ with provisions specially adapted for transporting }	
N	C12N5/56	1	{ Physical preservation processes for animal cells or human cells }	
N	C12N5/562	2	{ Temperature processes, e.g. following predefined temperature changes over time }	
N	C12N5/565	2	{ Pressure processes, e.g. following predefined pressure changes over time }	
N	C12N5/568	2	{ using electromagnetic fields or radiation; using acoustic waves or corpuscular radiation }	

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T = existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No { curly brackets } are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The { curly brackets } are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.

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- For administrative transfer of documents, the following text should be used: “<administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or <administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalization projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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B. New, Modified or Deleted Warning notice(s)**SUBCLASS A01N - PRESERVATION OF BODIES OF HUMANS OR ANIMALS OR PLANTS OR PARTS THEREOF; BIOCIDES, e.g. AS DISINFECTANTS, AS PESTICIDES OR AS HERBICIDES; PEST REPELLANTS OR ATTRACTANTS; PLANT GROWTH REGULATORS**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning</u>
N	A01N 1/12		Group A01N 1/12 is impacted by reclassification into group C12N 5/52. Groups A01N 1/12 and C12N 5/52 should be considered in order to perform a complete search.
N	A01N 1/122		Group A01N 1/122 is impacted by reclassification into group C12N 5/522. Groups A01N 1/122 and C12N 5/522 should be considered in order to perform a complete search.
N	A01N 1/124		Group A01N 1/124 is impacted by reclassification into group C12N 5/524. Groups A01N 1/124 and C12N 5/524 should be considered in order to perform a complete search.
N	A01N 1/125		Group A01N 1/125 is impacted by reclassification into group C12N 5/525. Groups A01N 1/125 and C12N 5/525 should be considered in order to perform a complete search.
N	A01N 1/126		Group A01N 1/126 is impacted by reclassification into group C12N 5/526. Groups A01N 1/126 and C12N 5/526 should be considered in order to perform a complete search.
N	A01N 1/128		Group A01N 1/128 is impacted by reclassification into group C12N 5/528. Groups A01N 1/128 and C12N 5/528 should be considered in order to perform a complete search.
N	A01N 1/14		Group A01N 1/14 is impacted by reclassification into groups A61M 1/0272 - A61M 1/0277 and C12N 5/54. Groups A01N 1/14, A61M 1/0272 - A61M 1/0277 and C12N 5/54 should be considered in order to perform a complete search.
N	A01N 1/142		Group A01N 1/142 is impacted by reclassification into groups A61M 1/0272 - A61M 1/0277 and C12N 5/542. Groups A01N 1/142, A61M 1/0272 - A61M 1/0277 and C12N 5/542 should be

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			considered in order to perform a complete search.
N	A01N 1/144		Group A01N 1/144 is impacted by reclassification into group C12N 5/544. Groups A01N 1/144 and C12N 5/544 should be considered in order to perform a complete search.
N	A01N 1/145		Group A01N 1/145 is impacted by reclassification into group C12N 5/545. Groups A01N 1/145 and C12N 5/545 should be considered in order to perform a complete search.
N	A01N 1/146		Group A01N 1/146 is impacted by reclassification into groups A61J 1/10, A61M 1/0272 - A61M 1/0277 and C12N 5/546. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01N 1/147		Group A01N 1/147 is impacted by reclassification into group C12N 5/547. Groups A01N 1/147 and C12N 5/547 should be considered in order to perform a complete search.
N	A01N 1/148		Group A01N 1/148 is impacted by reclassification into group C12N 5/548. Groups A01N 1/148 and C12N 5/548 should be considered in order to perform a complete search.
N	A01N 1/16		Group A01N 1/16 is impacted by reclassification into group C12N 5/56. Groups A01N 1/16 and C12N 5/56 should be considered in order to perform a complete search.
N	A01N 1/162		Group A01N 1/162 is impacted by reclassification into group C12N 5/562. Groups A01N 1/162 and C12N 5/562 should be considered in order to perform a complete search.
N	A01N 1/165		Group A01N 1/165 is impacted by reclassification into group C12N 5/565. Groups A01N 1/165 and C12N 5/565 should be considered in order to perform a complete search.
N	A01N 1/168		Group A01N 1/168 is impacted by reclassification into group C12N 5/568. Groups A01N 1/168 and C12N 5/568 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning</u>
N	A61J 1/10		Group A61J 1/10 is incomplete pending reclassification of documents from group A01N 1/146. Group A61J 1/10 is also impacted by reclassification into groups C12N 5/54 - C12N 5/548. Groups A01N 1/146, A61J 1/10 and C12N 5/54 - C12N 5/548 should be considered in order to perform a complete search.
N	A61J 1/12		Group A61J 1/12 is impacted by reclassification into groups C12N 5/54 - C12N 5/548. Groups A61J 1/12 and C12N 5/54 - C12N 5/548 should be considered in order to perform a complete search.
N	A61J 1/16		Group A61J 1/16 is impacted by reclassification into groups C12N 5/54 - C12N 5/548. Groups A61J 1/16 and C12N 5/54 - C12N 5/548 should be considered in order to perform a complete search.
N	A61J 1/165		Group A61J 1/165 is impacted by reclassification into groups C12N 5/54 - C12N 5/548. Groups A61J 1/165 and C12N 5/54 - C12N 5/548 should be considered in order to perform a complete search.

SUBCLASS A61M - DEVICES FOR INTRODUCING MEDIA INTO, OR ONTO, THE BODY (introducing media into or onto the bodies of animals A61D 7/00; means for inserting tampons A61F 13/26; devices for administering food or medicines orally A61J; containers for collecting, storing or administering blood or medical fluids A61J 1/05); DEVICES FOR TRANSDUCING BODY MEDIA OR FOR TAKING MEDIA FROM THE BODY (surgery A61B; chemical aspects of surgical articles A61L); DEVICES FOR PRODUCING OR ENDING SLEEP OR STUPOR {(Electrotherapy, e.g. producing anaesthesia by the use of alternating or intermittent currents A61N 1/36021)}

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning</u>
N	A61M 1/0272		Group A61M 1/0272 is incomplete pending reclassification of documents from groups A01N 1/14, A01N 1/142 and A01N 1/146. Group A61M 1/0272 is also impacted by reclassification into groups

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			C12N 5/54 - C12N 5/548. All groups listed in this Warning should be considered in order to perform a complete search.
N	A61M 1/0277		Group A61M 1/0277 is incomplete pending reclassification of documents from groups A01N 1/14, A01N 1/142 and A01N 1/146. Group A61M 1/0277 is also impacted by reclassification into groups C12N 5/54 - C12N 5/548. All groups listed in this Warning should be considered in order to perform a complete search.

SUBCLASS C12N - MICROORGANISMS OR ENZYMES; COMPOSITIONS THEREOF; PROPAGATING, PRESERVING, OR MAINTAINING MICROORGANISMS; MUTATION OR GENETIC ENGINEERING; CULTURE MEDIA

Type*	Location	Old Warning notice	New/Modified Warning
N	C12N 5/52		Group C12N 5/52 is incomplete pending reclassification of documents from group A01N 1/12. Groups A01N 1/12 and C12N 5/52 should be considered in order to perform a complete search.
N	C12N 5/522		Group C12N 5/522 is incomplete pending reclassification of documents from group A01N 1/122. Groups A01N 1/122 and C12N 5/522 should be considered in order to perform a complete search.
N	C12N 5/524		Group C12N 5/524 is incomplete pending reclassification of documents from group A01N 1/124. Groups A01N 1/124 and C12N 5/524 should be considered in order to perform a complete search.
N	C12N 5/525		Group C12N 5/525 is incomplete pending reclassification of documents from group A01N 1/125. Groups A01N 1/125 and C12N 5/525 should be considered in order to perform a complete search.
N	C12N 5/526		Group C12N 5/526 is incomplete pending reclassification of documents from group A01N 1/126. Groups A01N 1/126 and C12N 5/526 should be considered in order to perform a complete search.
N	C12N 5/528		Group C12N 5/528 is incomplete pending reclassification of documents from group A01N 1/128. Groups A01N 1/128 and C12N 5/528 should be considered in order to perform a complete search.

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N	C12N 5/54		Group C12N 5/54 is incomplete pending reclassification of documents from groups A01N 1/14, A61J 1/10, A61J 1/12, A61J 1/16, A61J 1/165, A61M 1/0272 and A61M 1/0277. All groups listed in this Warning should be considered in order to perform a complete search.
N	C12N 5/542		Group C12N 5/542 is incomplete pending reclassification of documents from groups A01N 1/142, A61J 1/10, A61J 1/12, A61J 1/16, A61J 1/165, A61M 1/0272 and A61M 1/0277. All groups listed in this Warning should be considered in order to perform a complete search.
N	C12N 5/544		Group C12N 5/544 is incomplete pending reclassification of documents from groups A01N 1/144, A61J 1/10, A61J 1/12, A61J 1/16, A61J 1/165, A61M 1/0272 and A61M 1/0277. All groups listed in this Warning should be considered in order to perform a complete search.
N	C12N 5/545		Group C12N 5/545 is incomplete pending reclassification of documents from groups A01N 1/145, A61J 1/10, A61J 1/12, A61J 1/16, A61J 1/165, A61M 1/0272 and A61M 1/0277. All groups listed in this Warning should be considered in order to perform a complete search.
N	C12N 5/546		Group C12N 5/546 is incomplete pending reclassification of documents from groups A01N 1/146, A61J 1/10, A61J 1/12, A61J 1/16, A61J 1/165, A61M 1/0272 and A61M 1/0277. All groups listed in this Warning should be considered in order to perform a complete search.
N	C12N 5/547		Group C12N 5/547 is incomplete pending reclassification of documents from groups A01N 1/147, A61J 1/10, A61J 1/12, A61J 1/16, A61J 1/165, A61M 1/0272 and A61M 1/0277. All groups listed in this Warning should be considered in order to perform a complete search.
N	C12N 5/548		Group C12N 5/548 is incomplete pending reclassification of documents from groups A01N 1/148, A61J 1/10, A61J 1/12, A61J 1/16, A61J 1/165, A61M 1/0272 and A61M 1/0277. All groups listed in this Warning should be considered in order to perform a complete search.
N	C12N 5/56		Group C12N 5/56 is incomplete pending reclassification of documents from group A01N 1/16. Groups A01N 1/16 and

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			C12N 5/56 should be considered in order to perform a complete search.
N	C12N 5/562		Group C12N 5/562 is incomplete pending reclassification of documents from group A01N 1/162. Groups A01N 1/162 and C12N 5/562 should be considered in order to perform a complete search.
N	C12N 5/565		Group C12N 5/565 is incomplete pending reclassification of documents from group A01N 1/165. Groups A01N 1/165 and C12N 5/565 should be considered in order to perform a complete search.
N	C12N 5/568		Group C12N 5/568 is incomplete pending reclassification of documents from group A01N 1/168. Groups A01N 1/168 and C12N 5/568 should be considered in order to perform a complete search.

*N = new warning, M = modified warning, D = deleted warning

NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

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2. A. DEFINITIONS (new)

A01N 1/10

Definition statement

This place covers:

Compositions, apparatus or methods for the preservation, including cryopreservation, of excised living body parts, such as organs and parts thereof, in order to maintain their viability.

Relationships with other classification places

Preservation of animal or human cells or tissues not excised is classified in C12N 5/52 for chemical aspects, in C12N 5/54 for mechanical aspects including apparatus or containers, and in C12N 5/56 for physical preservation.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Containers specially adapted for collecting, storing or administering blood or plasma	A61J 1/05
Cells and tissues of humans, animals or plants	C12N 5/00
Chemical aspects of preservation of animal cells or human cells	C12N 5/52
Mechanical aspects of preservation of animal cells or human cells; Apparatus or containers therefor	C12N 5/54
Physical preservation processes for animal cells or human cells	C12N 5/56

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A01N 1/124

Definition statement

This place covers:

Compositions/methods in which disinfection agents are used for preservation purposes, for example, to increase the storage stability of, e.g. organs by inhibiting bacterial growth.

A01N 1/128

Definition statement

This place covers:

Formulations like gels or solid fibrous matrices but also ice-seeding particles.

A01N 1/14

Definition statement

This place covers:

Mechanical inventions that are not covered by any of the groups defining containers, perfusion apparatus or refrigeration apparatus, e.g. access control for preserved samples.

A01N 1/146

Definition statement

This place covers:

Containers not comprising mechanical means that actively alter temperature. The use of phase change materials, e.g. ice, to passively keep the living part cool is not considered "active" refrigeration.

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Special rules of classification

Containers comprising cryogenics, e.g. liquid nitrogen dry shippers, should be classified in A01N 1/145.

A01N 1/148

Definition statement

This place covers:

Documents specifically addressing a transport aspect, e.g. providing means to counteract shocks or tilting.

Special rules of classification

Containers, which are suitable for transport but do not comprise such provisions specifically for transporting should be classified in A01N 1/143, A01N 1/146 or A01N 1/147.

A01N 1/162

Special rules of classification

Processes comprising temperature changes inherently involved in freezing or cryopreservation wherein no specific technical effect is disclosed for the temperature profile are not classified in this group.

C12N5/52

Relationships with other classification places

Containers specially adapted for collecting and storing blood and plasma are classified in A61J 1/05.

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Limiting references*This place does not cover:*

Preservation of excised living parts of human bodies	A01N 1/10
--	---------------------------

C12N5/54**Limiting references***This place does not cover:*

Preservation of excised living parts of human bodies	A01N 1/10
--	---------------------------

Informative references*Attention is drawn to the following places, which may be of interest for search:*

Containers specially adapted for collecting, storing or administering blood or plasma	A61J 1/05
---	---------------------------

C12N 5/546**Definition statement***This place covers:*

Containers not comprising mechanical means that actively alter temperature. The use of phase change materials, e.g. ice, to passively keep the cells or tissues cool is not considered "active" refrigeration.

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C12N 5/548

Definition statement

This place covers:

Documents specifically addressing a transport aspect, e.g. providing means to counteract shocks or tilting.

Special rules of classification

Containers that are suitable for transport but do not comprise provisions specifically for transporting should be classified in C12N 5/542, C12N 5/546 or C12N 5/547.

C12N5/562

Special rules of classification

Processes comprising temperature changes inherently involved in freezing or cryopreservation wherein no specific technical effect is disclosed for the temperature profile are not classified in this group.

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2. A. DEFINITIONS (modified)

C12N 1/04

Replace: The existing Definition statement text with the following updated text.

Definition statement

This place covers:

Methods of preserving or maintaining viable microorganisms which include protozoa, unicellular algae, fungi, bacteria, archaea, spores, viruses or bacteriophages.

Replace: The existing Relationships text with the following updated text.

Relationships with other classification places

Subgroups C12N 1/10 - C12N 1/205 cover compositions of microorganisms irrespective of whether they are viable or not.

Natural isolates are classified in C12R.

Preservation of excised body parts of humans or animals is classified in A01N 1/10.

Preservation of animal or human cells or tissues is classified in C12N 5/52, C12N 5/54 or C12N 5/56.

C12N 5/00

Replace: The existing Definition statement text with the following updated text.

Definition statement

This place covers:

- Animal cells, animal cell culture, differentiation in vitro are to be classified in C12N 5/00, provided that such products and processes are characterized and exemplified in the application. A cell which is merely claimed without real and exemplified provision thereof shall not be classified in C12N 5/00. This is the case - for example - where the examples only relate to differentiation of a

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stem cell to pancreatic cells, but where differentiation to hepatocytes or nerve cells is claimed. Then, only the differentiated pancreatic cells are classified. The other cells are not classified at all.

- Orthogonal Indexing Codes C12N 2500/00 - C12N 2539/10 are compulsory when classifying in this place. This relates to any specific and exemplified component of cell culture medium, active agent used in cell culture process, co-culture with or conditioned medium produced by, use of differentiation from one lineage to another or from pluripotent cells, use of cells in diagnostic, methods for the dissociation of cells, genetically modified cells, cells related to new breeds of animals, culture process characterised by the use of forces and support or coating for cells culture characterised by material, topography, treatment or properties. Any such additional information which is claimed but not exemplified is however not to be classified.
- Cells or tissues in medicinal preparations or for medical uses are classified in [A61K 35/12](#) - [A61K 35/65](#) irrespective of genetic modification or culture steps. Cells that are medically used after a relevant in vitro culturing step are classified in [A61K 35/00](#) and [C12N 5/00](#).

Further details of subgroups

- [C12N 5/00](#):

The highest rank head group is to be used only in desperate cases, for documents which do not fit elsewhere, e.g. culture processes characterised by temperature.

- [C12N 5/0006](#):

By exception to the dividing line general C12N 5/00 to the specific C12N 5/06, documents describing the modification of membranes of a specific cell type are classified both in [C12N 5/0006](#) and [C12N 5/06](#) and subgroups.

- [C12N 5/0012](#):

Only generic encapsulation here: Encapsulation of a specific cell type is [C12N 5/06](#) (and subgroups), [C12N 2533/00](#) Orthogonal Indexing codes may be used for the capsule material. Classifying the document in [A61L 27/00](#) and/or [A61K 47/00](#) should be considered. Encapsulation in fermenters is [C12N 13/00](#). Note that encapsulated hepatocytes and pancreatic cells have specific subgroups: [C12N 5/0671](#) and [C12N 5/0677](#).

- [C12N 5/0018](#):

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Generic media for potentially any type of cells. Culture processes using a particular agent are treated as a culture medium containing this agent (e.g. use of propranolol in cell culture: [C12N 5/0018](#), [C12N 2501/81](#)). All documents should have at least one Orthogonal Indexing code from the range [C12N 2500/00](#) - [C12N 2502/00](#), and possibly many of them. Examples using CHO, 3T3, BHK or other common cell types should be regarded as generic disclosure and classified under [C12N 5/00](#) rather than under [C12N 5/06](#).

When a new medium is fully disclosed, most if not all [C12N 2500/00](#) Orthogonal Indexing codes potentially apply; codes should be given for any useful information, i.e. any specific component with a specific concentration range (e.g. Ala 20 µ, Pro 10 µ ... is indexed [C12N 2500/32](#); reference to a standard composition of essential amino-acids as one component need not be indexed)—which can mean that many codes are actually given, but this appears to be the best way to retrieve reasonably quickly a document with a medium comprising, e.g., 10-100 nM Cu²⁺ or 20-75 µ Glu. It may not be necessary to index the most common additives (e.g. glutamine) and no code is foreseen for antibiotics, as these appear to be invariably present.

- [C12N 5/0031](#):

Note that serum-free media for specific cell types are [C12N 5/06](#) (and subgroups), [C12N 2500/99](#).

- [C12N 5/0081](#):

By "negative selection", it is meant that the document defines what is to be rejected but does not define in any positive manner what is to be retained. The combination of negative and positive markers is regarded as positive selection, and should normally allow to assign a specific type to the cells, and to classify in [C12N 5/06](#) (and subgroups). In practice, [C12N 5/0087](#) and [C12N 5/0093](#) deal with purging blood or bone marrow (but also, rarely, of other tissues) from, respectively, immune cells and tumour cells before transplantation; [C12N 5/0081](#) is thus very rarely used.

- [C12N 5/0068](#), [C12N 5/0075](#):

Documents should have at least one [C12N 2533/00](#) Orthogonal Indexing Code. Supports for specific cell types are [C12N 5/06](#) (and subgroups), [C12N 2531/00](#) - [C12N 2539/00](#).

- [C12N 5/06](#):

Classification is made in the appropriate group below [C12N 5/06](#); group [C12N 5/06](#) implies that the teachings apply only to specific cells and it should always be possible to know whether the cells derive from vertebrates or invertebrates.

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General Considerations:

The scope of any sub-group comprises the cells of the title, any tissue explant essentially consisting of these cells (e.g. skin = keratinocytes = [C12N 5/0629](#)), processes for isolating these cells (e.g. the definition of a set of markers to isolate a specific cell by FACS, but a document dealing with a specific antibody for one single marker can be classified solely in [C07K 16/00](#)), processes for preparing these cells (culture, differentiation), culture media and/supports specifically adapted for these cells and medical uses of these cells (as far as the nature of the cells is known and is relevant; e.g. medical composition of cultivated pancreatic cells [C12N 5/0676](#), [A61K 35/12](#), "low-tech" composition of animal tissue extracts [A61K 35/00](#) and subgroups, photochemically-treated blood [A61K 41/0057](#), [A61K 35/14](#)).

Controlled language: Title note of [C12N 5/06](#): In this group, the following words are used with the meanings indicated:

- a "totipotent" cell can differentiate into all somatic lineages (ectoderm, mesoderm, endoderm), the germ line and extra embryonic tissues such as the placenta;
- a "pluripotent" cell is a somatic stem cell which can differentiate into cells of at least two of the three somatic lineages (ectoderm, mesoderm, endoderm);
- a "multipotent" cell is restricted to one lineage.
- "Progenitor" and "precursor" cells are further restricted within the lineage. If not explicitly foreseen, totipotent cells are classified with pluripotent cells. Multipotent cells should not be classified with pluripotent cells.

This has been adopted to clarify classification practice with respect to the use of the words "pluri-" and "multipotent." Under this definition, totipotent cells need to be able to generate placenta and amnion, i.e. only the zygote, blastula and morula cells strictly qualify; applicants tend to use the term more liberally ... Conversely, the archetypal example of an adult pluripotent cell in the sense of [C12N 5/0607](#), has been named "Multipotent Adult Stem (Progenitor) Cell" (MASC, MAPC) by its discoverers, which is too restrictive in view of our definitions.

Immediate precursors:

"Four dot" stem/precursor/progenitor groups usually cover (multipotent) stem cells as well as (restricted) precursors and committed progenitors, but there are two important exceptions with respect to the latter: myoblasts go with myotubes in [C12N 5/0658](#) (since myotubes do not proliferate, culture can only be directed to their precursors). In the blood/immune hierarchy [C12N 5/0634](#), immediate, committed, precursors are classified with their progeny; [C12N 5/0647](#) is reserved for stem cells and multi-lineage progenitors.

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Sub-headgroups [C12N 5/0603](#), [C12N 5/0608](#), [C12N 5/0613](#), [C12N 5/0618](#), etc vs. specific subgroups [C12N 5/0604](#), [C12N 5/0605](#), [C12N 5/0606](#), [C12N 5/0608](#):

The "three dot" (sub)headgroups are used for two different purposes:

- for cells whose precise type is not (yet) foreseen in the scheme,
- as a broad indication of end product where the examples do not provide enough evidence as to the result of a differentiation process.

E.g. a document pertaining to neural differentiation of BM-MS is [C12N 5/0618](#), [C12N 2506/1353](#) while a document pertaining to neuronal differentiation of BM- MSC, with detailed, extensive, evidence as to the neuronal phenotype is [C12N 5/0619](#), [C12N 2506/1353](#). In the intermediate situation where a document claims neuronal differentiation with only limited evidence (e.g. one or two markers), it is preferred to use the headgroup [C12N 5/0618](#), especially if the document additionally provides examples of oligodendrocyte/glia differentiation at the same poor level of evidence.

- [C12N 5/0602](#):

The head group should be used only for specific vertebrate cells which do not fit elsewhere in the scheme. Generic disclosure for vertebrate cells is [C12N 5/00](#) (and subgroups).

- [C12N 5/0603](#):

This is actually "embryonic or foetal cells and tissues", but interpreted in a very restricted sense to encompass only cells that are solely embryonic and/or foetal; embryonic/foetal cells of recognisable type which are also present in an adult are classified as adult cells. "Rejuvenated" cells claimed to have been brought back to pluripotency or cells described by an applicant as "ES-like" do not qualify for [C12N 5/0606](#): These cells do not actually originate from an embryo or foetus, see [C12N 5/0607\(A\)](#). In practice, [C12N 5/0603](#) itself only contains embryoid bodies and cells being in an intermediate stage of differentiation between pluripotent cells (ES) and "adult" (typable) tissue; e.g. "definitive endoderm" cells [C12N 5/0603](#) (exists only in embryo), pancreatic cells [C12N 5/0676](#) (adult). Embryonic germ (EG) cells, which can be regarded as an equivalent for ES, are [C12N 5/0611](#), but embryonic carcinoma (EC) cells are classified in [C12N 5/0606](#) as far as they are used as a model for ES (now that human ES have been isolated, EC technology appears to be obsolete).

- [C12N 5/0607](#):

Pluripotent adult stem cells are still a controversial and largely speculative topic. Extreme care must be exercised when allocating this class: to qualify, a cell must have

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demonstrated pluripotency (note that the corresponding examples of differentiation into at least two distinct lineages are not to be indexed) and must not belong to any other subgroup of the scheme.

- [C12N 5/0696](#):

This covers all kinds of (demonstrated) "rejuvenated" cells or induced pluripotent stem cells (iPS). The rejuvenation method/agents are to be classified appropriately ([C12N 2510/00](#) and [C12N 2501/60](#) for typical iPS obtained by forced expression of Oct-3/4, Sox-2, Klf4, Nanog, cMyc...; [C12N 2501/00](#), [C12N 2500/00](#), [C12N 2502/00](#) as appropriate for chemical agents). Detailed aspects regarding the construction of a suitable expression vector are to be classified in [C12N 15/00](#).

- [C12N 5/0608](#):

The head group is to remain empty until a third mammalian sex is discovered or engineered. The few documents dealing both with oocytes and spermatozoa are classified in both subgroups [C12N 5/0609](#) and [C12N 5/061](#).

- [C12N 5/0658](#):

For practical reasons, precursors (myoblasts) have been grouped with their progeny (myotubes); as a result, only few documents remain in [C12N 5/0659](#) (satellite cells).

- [C12N 5/0634](#), [C12N 5/0636](#) - [C12N 5/064](#):

Owing to the complexity of the lineage, committed precursors are grouped with their immediate progeny: e.g. pre-T cells go with T cells in [C12N 5/0636](#); lymphoid stem cells, which can give rise either to B or T, remain in [C12N 5/0647](#).

Vaccines: Immunogenic preparations (e.g. stimulated T cells, antigen-loaded dendritic cells or microphages) are classified in [A61K 39/00](#) and subgroups according to the antigen with the appropriate [A61K 2039/51](#) - [A61K 2039/892](#) Indexing Code(s).

Immunotherapy: Cells classified in [C12N 5/0634](#) - [C12N 5/0639](#) are additionally classified in [A61K 40/00](#) - [A61K 40/50](#) with Orthogonal indexing codes [A61K 2239/00](#) - [A61K 2239/59](#), when the cells are modified for immunotherapy (e.g. CAR-T cells).

- [C12N 5/0629](#):

[C12N 5/0629](#) contains purified keratinocytes and whole skin biopsies, assigned to what is regarded as the most relevant cell type, but artificially reconstructed skin is [C12N 5/0698](#).

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- [C12N 5/0671](#), [C12N 5/0677](#):

Encapsulation is assimilated to 3D culture. [C12N 2533/00](#) Orthogonal indexing codes may apply to the capsule material.

- [C12N 5/0691](#):

For practical reasons, this group contains isolated vascular smooth muscle cells (not [C12N 5/0661](#)) as well as elaborated three-dimensional constructs comprising multiple types (e.g. vascular endothelium [C12N 5/069](#), fibroblasts [C12N 5/0656](#)); in the latter case, the further cell types may be indexed with [C12N 2502/00](#) Orthogonal Indexing codes as in [C12N 5/0697](#).

[C12N 5/0692](#):

Haemangioblasts, which are precursors for both the haematopoietic and the vascular endothelial lineages, always get a double class: [C12N 5/0647](#), [C12N 5/0692](#).

- [C12N 5/0693](#):

Tumour cells considered for themselves (i.e. as tumours) are classified here, but tumour cells used as convenient immortalised equivalents/models of their untransformed counterparts are classified as normal cells: e.g. embryonic carcinoma [C12N 5/0606](#); medium specially adapted for hepatomas [C12N 5/067](#), [C12N 2500/00](#), [C12N 2501/00](#), [C12N 2502/00](#), [C12N 2503/00](#), [C12N 2506/00](#), [C12N 2509/00](#).

- [C12N 5/0694](#):

Myeloma cell lines for use in the making of hybridomas are directly classified in [C12N 5/163](#), with their application, rather than as [C12N 5/0694](#).

- [C12N 5/0697](#):

"Tissue equivalent" is to be construed broadly as any in vitro construct associating different cell types to achieve one function; the precise structure or function of an actual tissue need not be achieved but it must be an artificial construct, not an actual tissue explant ([C12N 5/0602](#) and subgroups, according to the source or dominant cell type), and no single cell type must be responsible for the desired effect, as is the case for a typical co-culture. Examples: model of neuromuscular junction where a neuron commands a muscle cell [C12N 5/0697](#), [C12N 2502/081](#), [C12N 2502/1335](#); testicular prosthesis consisting of chondrocytes (for shape) and of Sertoli cells (for hormonal function), [C12N 5/0697](#), [C12N 2502/1317](#), [C12N 2502/24](#); but embryonic stem cells on a feeder layer of embryonic fibroblast [C12N 5/0606](#), [C12N 2502/13](#). [C12N 2502/00](#) codes are used to index all cell types, including

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accessory ones (e.g. vascular cells or tumour cells added in some illustrated embodiments to study vascular or tumour growth inside a tissue).

- [C12N 5/10](#):

Not to be used. Genetic engineering itself is classified in [C12N 15/00](#); cells modified for a particular application (e.g. recombinant expression, promoter-reporter constructs for testing) are classified with the application ([C07K 14/00](#) - [C07K 14/16](#), [G01N 33/00](#), [C12Q 1/00](#)). Classification in [C12N 5/00](#) is done only if there is actual interest in the cell itself; e.g. transfecting pdx1 in MSC to yield insulin-secreting cells (assimilated to pancreatic delta cells, according to the sought therapeutic effect, even though full differentiation and full functionality may not be achieved) [C12N 5/0676](#), [C12N 2506/1353](#), [C12N 2510/00](#).

- [C12N 5/12](#):

Has only been used for extremely rare cases of generic fused cell technology applicable equally to animal, vegetal, fungal (yeast) or bacterial cells.

- [C12N 5/16](#):

Fusion partners are not indexed. [C12N 5/163](#) covers also cell lines to be used as fusion partners, but not specific hybridomas producing a specific antibody.

Some "rejuvenated" cells prepared by introducing "young" cytoplasm into "old" cells, or even by transferring "old" nuclei into enucleated "young" cells" have been assimilated to fused cells and classified here. See also Orthogonal Indexing code [C12N 2506/00](#). Note that nuclear transfer in itself is [C12N 15/873](#) and circulation is warranted. Proper cloning is not classified here.

References

Replace: The existing Limiting references table with the following updated table.

Limiting references

This place does not cover:

Plants reproduction by tissue culture techniques	A01H 4/00
--	---------------------------

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Insert: The following new Informative references table.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Plants	C12N 5/0025 , C12N 5/04 , C12N 5/14
Mutation or genetic engineering; Use of hosts therefore	C12N 15/00
Use of cells in vaccines or immunological preparations	A61K 39/00
Gene therapy	A61K 48/00
Recombinant expression of proteins	C07K 14/00 , C07K 16/00 , C12N 9/00
Apparatus for cell culture	C12M
Apparatus for cell purification	G01N
Screening and/or testing using cells	G01N 33/00 , C12Q 1/00

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2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
A01N1/02			Delete entire definition
A01N1/0215			Delete entire definition
A01N1/0231			Delete entire definition
A01N1/0236			Delete entire definition
A01N1/0263			Delete entire definition
A01N1/0273			Delete entire definition
A01N1/0294			Delete entire definition

Notes:

Use this Definitions Quick Fix (DQF) table to:

- Delete an entire definition
- Delete an entire section
- Change a reference symbol
- Delete a reference symbol
- Delete text in a References section
- Correct one error in spelling, article use, or verb tense

Otherwise, use the standard template.

Reminder: Never delete F symbol definitions.

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3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	A01N 1/02	<administrative transfer to A01N 1/10>
D	A01N 1/0205	<administrative transfer to A01N 1/12>
D	A01N 1/021	<administrative transfer to A01N 1/122>
D	A01N 1/0215	<administrative transfer to A01N 1/124>
D	A01N 1/0221	<administrative transfer to A01N 1/125>
D	A01N 1/0226	<administrative transfer to A01N 1/126>
D	A01N 1/0231	<administrative transfer to A01N 1/128>
D	A01N 1/0236	<administrative transfer to A01N 1/14>
D	A01N 1/0242	<administrative transfer to A01N 1/142>
D	A01N 1/0247	<administrative transfer to A01N 1/143>
D	A01N 1/0252	<administrative transfer to A01N 1/144>
D	A01N 1/0257	<administrative transfer to A01N 1/145>
D	A01N 1/0263	<administrative transfer to A01N 1/146>
D	A01N 1/0268	<administrative transfer to A01N 1/147>
D	A01N 1/0273	<administrative transfer to A01N 1/148>
D	A01N 1/0278	<administrative transfer to A01N 1/16>
D	A01N 1/0284	<administrative transfer to A01N 1/162>
D	A01N 1/0289	<administrative transfer to A01N 1/165>
D	A01N 1/0294	<administrative transfer to A01N 1/168>
Q	A01N 1/12	A01N 1/12, C12N 5/52
Q	A01N 1/122	A01N 1/122, C12N 5/522
Q	A01N 1/124	A01N 1/124, C12N 5/524
Q	A01N 1/125	A01N 1/125, C12N 5/525
Q	A01N 1/126	A01N 1/126, C12N 5/526
Q	A01N 1/128	A01N 1/128, C12N 5/528
Q	A01N 1/14	A01N 1/14, A61M 1/0272, A61M 1/0277, C12N 5/54
Q	A01N 1/142	A01N 1/142, A61M 1/0272, A61M 1/0277, C12N 5/542
Q	A01N 1/144	A01N 1/144, C12N 5/544
Q	A01N 1/145	A01N 1/145, C12N 5/545
Q	A01N 1/146	A01N 1/146, A61J 1/10, A61M 1/0272, A61M 1/0277, C12N 5/546
Q	A01N 1/147	A01N 1/147, C12N 5/547
Q	A01N 1/148	A01N 1/148, C12N 5/548
Q	A01N 1/16	A01N 1/16, C12N 5/56
Q	A01N 1/162	A01N 1/162, C12N 5/562
Q	A01N 1/165	A01N 1/165, C12N 5/565
Q	A01N 1/168	A01N 1/168, C12N 5/568
C	A61J 1/10	A61J 1/10, C12N 5/54, C12N 5/542, C12N 5/544, C12N 5/545, C12N 5/546, C12N 5/547, C12N 5/548
C	A61J 1/12	A61J 1/12, C12N 5/54, C12N 5/542, C12N 5/544, C12N 5/545, C12N 5/546, C12N 5/547, C12N 5/548
C	A61J 1/16	A61J 1/16, C12N 5/54, C12N 5/542, C12N 5/544, C12N 5/545, C12N 5/546, C12N 5/547, C12N 5/548
C	A61J 1/165	A61J 1/165, C12N 5/54, C12N 5/542, C12N 5/544, C12N 5/545, C12N 5/546, C12N 5/547, C12N 5/548
C	A61M 1/0272	A61M 1/0272, C12N 5/54, C12N 5/542, C12N 5/544, C12N 5/545, C12N 5/546, C12N 5/547, C12N 5/548

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	A61M 1/0277	A61M 1/0277, C12N 5/54, C12N 5/542, C12N 5/544, C12N 5/545, C12N 5/546, C12N 5/547, C12N 5/548

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:

- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, do not use ranges of symbols.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“To”) symbol, however it is required to specify “<no transfer>” in the “To” column for such cases.
- RCL is not needed for finalisation projects.

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4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
A01N 1/02		DELETE
A01N 1/0205		DELETE
A01N 1/021		DELETE
A01N 1/0215		DELETE
A01N 1/0221		DELETE
A01N 1/0226		DELETE
A01N 1/0231		DELETE
A01N 1/0236		DELETE
A01N 1/0242		DELETE
A01N 1/0247		DELETE
A01N 1/0252		DELETE
A01N 1/0257		DELETE
A01N 1/0263		DELETE
A01N 1/0268		DELETE
A01N 1/0273		DELETE
A01N 1/0278		DELETE
A01N 1/0284		DELETE
A01N 1/0289		DELETE
A01N 1/0294		DELETE
A01N 1/10	A01N 1/10	NEW
A01N 1/12	A01N 1/12	NEW
A01N 1/122	A01N 1/122	NEW
A01N 1/124	A01N 1/124	NEW
A01N 1/125	A01N 1/125	NEW
A01N 1/126	A01N 1/126	NEW
A01N 1/128	A01N 1/128	NEW
A01N 1/14	A01N 1/14	NEW
A01N 1/142	A01N 1/142	NEW
A01N 1/143	A01N 1/143	NEW
A01N 1/144	A01N 1/144	NEW
A01N 1/145	A01N 1/145	NEW
A01N 1/146	A01N 1/146	NEW
A01N 1/147	A01N 1/147	NEW
A01N 1/148	A01N 1/148	NEW
A01N 1/16	A01N 1/16	NEW
A01N 1/162	A01N 1/162	NEW
A01N 1/165	A01N 1/165	NEW
A01N 1/168	A01N 1/168	NEW
C12N 5/52	C12N 5/00	NEW
C12N 5/522	C12N 5/00	NEW
C12N 5/524	C12N 5/00	NEW
C12N 5/525	C12N 5/00	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
C12N5/526	C12N5/00	NEW
C12N5/528	C12N5/00	NEW
C12N5/54	C12N5/00	NEW
C12N5/542	C12N5/00	NEW
C12N5/544	C12N5/00	NEW
C12N5/545	C12N5/00	NEW
C12N5/546	C12N5/00	NEW
C12N5/547	C12N5/00	NEW
C12N5/548	C12N5/00	NEW
C12N5/56	C12N5/00	NEW
C12N5/562	C12N5/00	NEW
C12N5/565	C12N5/00	NEW
C12N5/568	C12N5/00	NEW

*Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with “NEW.”
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “UPDATED.”
- For a (D) CPC entry or indexing entry complete the Action column with “DELETE.” IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

- F symbols are not included in the C12L table above.
- T and M symbols are not included in the C12L table above unless a change to the existing IPC is desired.

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5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
A61B 10/0096	A01N 1/02	Replace with: A01N 1/10
C12M Notes	A01N 1/0242	Replace the second bullet of Note 6 with: • apparatus for preservation of excised living parts of bodies of humans or animals, which are covered by A01N 1/142;
C12M 45/22	A01N 1/02	Replace with: A01N 1/10
C12N 5/06	A01N 1/02	Replace with: preservation of excised living parts A01N 1/10

Definitions references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
A01K 67/027	A01N 1/02	Informative references	Replace with: Preservation of excised living parts of the human or animal body A01N1/10
A61B 5/413	A01N 1/02	Limiting references	Replace with: Preservation of excised living parts of the human or animal body A01N1/10
A61B 10/0096	A01N 1/02	Informative references	Replace with: Preservation of excised living parts of the human or animal body A01N1/10

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action: New reference symbol; New text</u>
A61B 50/00	A01N 1/02	Limiting references	Replace with: Apparatus for preservation of excised living parts of the human or animal body A01N1/142
A61J 1/00	A01N 1/02	Informative references	Replace with: Apparatus for preservation of excised living parts of the human or animal body A01N1/142
A61L 27/00	A01N 1/02	Informative references	Replace with: Preservation of excised living parts of the human or animal body A01N1/10
B01L 3/50	A01N 1/02	Informative references	Replace with: Apparatus for preservation of excised living parts of the human or animal body A01N1/142
B01L 7/50	A01N 1/0284	Informative references	Replace with: Temperature processes for preservation of excised living parts of the human or animal body A01N 1/162
C12M	A01N 1/0242	Limiting references	Replace with: Apparatus for preservation of excised living parts of the human or animal body A01N1/142
C12M 45/00	A01N 1/02	Informative references	Replace with: Preservation of excised living parts of the human or animal body A01N1/10

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action: New reference symbol; New text</u>
C12M 45/22	A01N 1/02	Informative references	Replace with: Preservation of excised living parts of the human or animal body A01N1/10
C12M 47/00	A01N 1/02	Informative references	Replace with: Preservation of excised living parts of the human or animal body A01N1/10
C12N	A01N 1/02	Informative references	Replace with: Preservation of excised living parts of the human or animal body A01N1/10
F25D	A01N 1/0263	Informative references	Replace with: Non-refrigerated containers specially adapted for transporting or storing living parts whilst preserving A01N 1/146

NOTES:

- The CRL tables above are used for changes to locations outside of the project scope. Changes to references in scheme titles or definitions inside the project scope will be reflected in the “scheme change” template or one of the “definition” templates.
- In addition to other changes proposed in the tables above, in the column titled “Referenced subclass or group to be changed,” referenced D symbols should indicate an action of “delete” or should indicate a replacement symbol and referenced F symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.