

Supplemental material: Search strategy

MEDLINE via Ovid

Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Daily and Versions(R) <1946 to December 06, 2018>

- 1 [Breast milk concept]
- 2 exp Colostrum/
- 3 exp Breast Feeding/
- 4 exp Lactation/
- 5 Milk, human/
- 6 (breastmilk or breast-milk or mothersmilk or mothers-milk or ((breast or human? or maternal or mother? or woman) adj2 milk)).ti,ab,kw.
- 7 (breastfe* or breast-fe* or (breast adj2 (feed* or fed))).ti,ab,kw.
- 8 (colostrum* or colostr* or colostrium or foremilk or fore-milk or hindmilk or hind-milk).ti,ab,kw.
- 9 (lactation or breast-secretion* or milk-release or ((breast or milk) adj2 (secretion* or release))).ti,ab,kw.
- 10 or/2-9
- 11 [TGF-alpha concept]
- 12 exp Transforming Growth Factors/
- 13 Transforming Growth Factor alpha/
- 14 (TGFa* or TGF-a or TGF-alpha or transforming-growth-factor*).ti,ab,kw.
- 15 or/12-14
- 16 [TGF-beta concept]
- 17 exp TGF-beta Superfamily Proteins/
- 18 exp Transforming Growth Factor beta/
- 19 (TGFB* or TGF-b or TGF-beta or bone-morphogenetic-protein? or growth-differentiation-factor? or bone-morphogenic-protein? or BMP?? or BDA? or SSFSC or GDF? or Vgr? or BDA?? or CDMP? LAP? or OS5 or OS-5 or SYM?? or Syn??).ti,ab,kw.
- 20 or/17-19
- 21 [C chemokine concept]
- 22 exp Chemokines/
- 23 exp Chemotactic Factors/
- 24 Chemokines, C/
- 25 (chemokine* or chemotactic-cytokine? or chemotactic-factor? or ATAC or SCM-1* or SCM1* or lymphotactin?).ti,ab,kw.
- 26 or/22-25
- 27 [CC chemokine concept]
- 28 exp Chemokines, CC/
- 29 (CCL* or I309 or I-309 or TCA? or t-cell-activation or MCP? or monocyte-chemoattractant-protein? or MIP?? or macrophage-inflammatory-protein? or RANTES or C10 or MRP? or MARC or CCF?? or eotaxin or NCC? or Ckb?? or HCC1 or HCC-1 or MCIF or leucotactin? or LEC or LMC or TARC or ABCD? or dendrokinine or PARC or DCCK? or DC-CK? or AMAC? or ELC or exodus? or LARC or SLC or secondary-lymphoid-tissue-chemokine? or 6Ckine or

6-Ckine or 6-C-kine or 6C-kine or MDC or MPIF? or eotaxin? or TECK or IMAC or TSC? or CTACK or ILC or PESKY or eskine or skinshine or MEC or LD##).ti,ab,kw.
30 or/28-29
31 [CXC chemokine concept]
32 exp Chemokines, CXC/
33 (CXCL* or NAP1 or NAP2 or NAP-1 or NAP-2 or KC or Gro-b* or PF-4 or PF4 or platelet-factor? or ENA?? or neutrophil-activating-peptide? or GCP? or granulocyte-chemotactic-protein? or CTAPIII or b-Ta or beta-Ta or PEP or interleukin? or MDNCF or GCP? or granulocyte-chemotactic-protein? or MDNCF or gamma-interferon or interferon-gamma or GRG?? or IP10 or IP-10 or I-TAC or bR1 or b-R1 or beta-R1 or beta-R-1 or SDF? or stromal-cell-derived-factor? or PBSF or pre-B-cell-growth-stimulating-factor? or BLC or b-lymphocyte-chemoattractant? or BCA? or BRAK or bolekin or WECHE or lungkine or SRPSOX or DMC or VCC?).ti,ab,kw.
34 or/32-33
35 [CX3C chemokine concept]
36 exp Chemokines, CX3C/
37 (CX3C* or neurotactin or fractalkine).ti,ab,kw.
38 or/36-37
39 [Neurotrophin concept]
40 exp Nerve growth factors/
41 (neurotrophin* or BDNF or neurotropic-factor* or ANON? or BULN? or CNTF or NGF or HSAN? or NGFB or nerve-growth-factor? or NT3 or NT-3 or NTF? or HDNF or NGF? or GDNF).ti,ab,kw.
42 or/40-41
43 [Growth factor concept]
44 exp EGF Family of Proteins/
45 Epidermal Growth Factor/
46 exp Fibroblast Growth Factors/
47 exp Somatomedins/
48 exp Platelet-Derived Growth Factor/
49 exp Vascular Endothelial Growth Factors/
50 Fibroblast Growth Factor 7/
51 (growth-factor* or EGF or HOMG? or URG or ?FGF? or IGF?? or MGF or HBEGF or EGF or HGF or HMGF??? or KGF or PDGF or VEGF or MDGF).ti,ab,kw.
52 or/44-51
53 [Haemopoietic cytokine concept]
54 exp Hematopoietic Cell Growth Factors/
55 (h?emopoietic-cytokine* or EPO or erythropoietin? or MVCD? or ECYT? or DBAL or THPO or MGDF or TPO or thrombopoietin?).ti,ab,kw.
56 or/54-55
57 [Colony-stimulating factor concept]
58 exp Colony-Stimulating Factors/
59 (colony-stimulating-factor* or G-CSF or M-CSF or GM-CSF or GCSF or MCSF or CSF-1 or CSF-2 or CSG-3 or CSF1 or CSF2 or CSF3).ti,ab,kw.
60 or/58-59
61 [Interferon concept]
62 exp Interferons/
63 (interferon? or IFN?).ti,ab,kw.

64 or/62-63
65 [Interleukin concept]
66 exp Interleukins/
67 (interleukin* or IL-1 or IL-2 or IL-3 or IL-4 or IL-5 or IL-6 or IL-7 or IL-8 or IL-9 or IL-1#? or IL-
2#? or IL1?? or IL2?? or IL1a* or IL1b* or hematopoietin or catabolin or t-cell-growth-factor or
multipotential-CSF or MCGF or BSF? or BCDF? or IFN?? or CSIF or AGIF or NK-cell-
stimulatory-factor or P600 or P-600 or LCF or CTLA? or interferon-gamma-inducing-
factor?).ti,ab,kw.
68 or/66-67
69 [Cytokine concept]
70 exp Cytokines/
71 (TNF* or tumor-necrosis-factor? or cachectin? or LT-a* or LTalpha or TSLP or SCF or stem-
cell-factor? or c-kit or SCGB3A1 or secretoglobin-family-3A-member? or HIN?).ti,ab,kw.
72 or/70-71
73 [Placental growth factor concept]
74 Placenta Growth Factor/
75 (PGF or placental-growth-factor?).ti,ab,kw.
76 or/74-75
77 [IL-6 family concept]
78 Leukemia Inhibitory Factor/
79 (LIF or leukemia-inhibitory-factor or LIF or leukemia-inhibitory-factor or CDF or HILDA or
MLPLI or interleukin-6-family-cytokine?).ti,ab,kw.
80 or/78-79
81 [Macrophage migration inhibitory factor concept]
82 Macrophage Migration-Inhibitory Factors/
83 (macrophage-migration-inhibitory-factor? or macrophage-inhibitory-factor? or MIF or
MMIF).ti,ab,kw.
84 or/82-83
85 [Osteopontin concept]
86 Osteopontin/
87 (OPN or osteopontin or SPP1 or secreted-phosphoprotein? or BNSP).ti,ab,kw.
88 or/86-87
89 [Oncostatin M concept]
90 Oncostatin M/
91 (OSM or oncostatin).ti,ab,kw.
92 or/90-91
93 [Immunoglobulin concept]
94 exp Immunoglobulins/
95 exp Immunoglobulin Isotypes/
96 (immunoglobulin?? or Ig?? slg??).ti,ab,kw.
97 or/94-96
98 [All signaling peptides/proteins concept]
99 or/15,20,26,30,34,38,42,52,56,60,64,68,72,75,80,84,88,92,97
100 [Animal studies only concept]
101 animals/ not (animals/ and humans/)
102 (10 and 99) not 101

Embase via Ovid

Embase <1974 to 2018 December 07>

- 1 [Breast milk concept]
- 2 exp Colostrum/
- 3 exp Breast Feeding/
- 4 Lactation/
- 5 Breast milk/
- 6 (breastmilk or breast-milk or mothersmilk or mothers-milk or ((breast or human? or maternal or mother? or woman) adj2 milk)).ti,ab,kw.
- 7 (breastfe* or breast-fe* or (breast adj2 (feed* or fed))).ti,ab,kw.
- 8 (colostrum* or colostr* or colostrium or foremilk or fore-milk or hindmilk or hind-milk).ti,ab,kw.
- 9 (lactation or breast-secretion* or milk-release or ((breast or milk) adj2 (secretion* or release))).ti,ab,kw.
- 10 or/2-9
- 11 [TGF-alpha concept]
- 12 exp Transforming growth factor/
- 13 Transforming Growth Factor alpha/
- 14 (TGfa* or TGF-a or TGF-alpha or transforming-growth-factor*).ti,ab,kw.
- 15 or/12-14
- 16 [TGF-beta concept]
- 17 Transforming growth factor beta/
- 18 (TGFb* or TGF-b or TGF-beta or bone-morphogenetic-protein? or growth-differentiation-factor? or bone-morphogenic-protein? or BMP?? or BDA? or SSFSC or GDF? or Vgr? or BDA?? or CDMP? LAP? or OS5 or OS-5 or SYM?? or Syn??).ti,ab,kw.
- 19 or/17-18
- 20 [C chemokine concept]
- 21 exp Chemokine/
- 22 Gamma chemokine/
- 23 (chemokine* or chemotactic-cytokine? or chemotactic-factor? or ATAC or SCM-1* or SCM1* or lymphotactin?).ti,ab,kw.
- 24 or/21-23
- 25 [CC chemokine concept]
- 26 Beta chemokine/
- 27 (CCL* or I309 or I-309 or TCA? or t-cell-activation or MCP? or monocyte-chemoattractant-protein? or MIP?? or macrophage-inflammatory-protein? or RANTES or C10 or MRP? or MARC or CCF?? or eotaxin or NCC? or Ckb?? or HCC1 or HCC-1 or MCIF or leucotactin? or LEC or LMC or TARC or ABCD? or dendrokin or PARC or DCCK? or DC-CK? or AMAC? or ELC or exodus? or LARC or SLC or secondary-lymphoid-tissue-chemokine? or 6Ckin or 6-Ckin or 6-C-kin or 6C-kin or MDC or MPIF? or eotaxin? or TECK or IMAC or TSC? or CTACK or ILC or PESKY or eskine or skinshine or MEC or LD##).ti,ab,kw.
- 28 or/26-27
- 29 [CXC chemokine concept]
- 30 alpha chemokine/
- 31 (CXCL* or NAP1 or NAP2 or NAP-1 or NAP-2 or KC or Gro-b* or PF-4 or PF4 or platelet-factor? or ENA?? or neutrophil-activating-peptide? or GCP? or granulocyte-chemotactic-

protein? or CTAPIII or b-Ta or beta-Ta or PEP or interleukin? or MDNCF or GCP? or granulocyte-chemotactic-protein? or MDNCF or gamma-interferon or interferon-gamma or GRG?? or IP10 or IP-10 or I-TAC or bR1 or b-R1 or beta-R1 or beta-R-1 or SDF? or stromal-cell-derived-factor? or PBSF or pre-B-cell-growth-stimulating-factor? or BLC or b-lymphocyte-chemoattractant? or BCA? or BRAK or bolekin or WECH or lungkin or SRPSOX or DMC or VCC?).ti,ab,kw.

32 or/30-31

33 [CX3C chemokine concept]

34 CX3C chemokine/

35 (CX3C* or neurotactin or fractalkine).ti,ab,kw.

36 or/34-35

37 [Neurotrophin concept]

38 Neurotropic agent/

39 (neurotrophin* or BDNF or neurotropic-factor* or ANON? or BULN? or CNTF or NGF or HSAN? or NGFB or nerve-growth-factor? or NT3 or NT-3 or NTF? or HDNF or NGF? or GDNF).ti,ab,kw.

40 or/38-39

41 [Growth factor concept]

42 exp Growth factor/

43 epidermal growth factor derivative/

44 fibroblast growth factor/

45 exp somatomedin/

46 Platelet derived growth factor/

47 Endothelial cell growth factor/

48 Heparin binding epidermal growth factor/

49 Keratinocyte growth factor/

50 (growth-factor* or EGF or HOMG? or URG or ?FGF? or IGF?? or MGF or HBEGF or EGF or HGF or HMGF??? or KGF or PDGF or VEGF or MDGF).ti,ab,kw.

51 or/42-50

52 [Haemopoietic cytokine concept]

53 Erythropoietin/

54 Thrombopoietin/

55 (h?emopoietic-cytokine* or EPO or erythropoietin? or MVCD? or ECTY? or DBAL or THPO or MGDF or TPO or thrombopoietin?).ti,ab,kw.

56 or/53-55

57 [Colony-stimulating factor concept]

58 Colony stimulating factor/

59 (colony-stimulating-factor* or G-CSF or M-CSF or GM-CSF or GCSF or MCSF or CSF-1 or CSF-2 or CSG-3 or CSF1 or CSF2 or CSF3).ti,ab,kw.

60 or/58-59

61 [Interferon concept]

62 exp Interferon/

63 (interferon? or IFN?).ti,ab,kw.

64 or/62-63

65 [Interleukin concept]

66 Interleukin derivative/

67 (interleukin* or IL-1 or IL-2 or IL-3 or IL-4 or IL-5 or IL-6 or IL-7 or IL-8 or IL-9 or IL-1#? or IL-2#? or IL1?? or IL2?? or IL1a* or IL1b* or hematopoietin or catabolin or t-cell-growth-factor or

68 multipotential-CSF or MCGF or BSF? or BCDF? or IFN?? or CSIF or AGIF or NK-cell-
stimulatory-factor or P600 or P-600 or LCF or CTLA? or interferon-gamma-inducing-
factor?).ti,ab,kw.
69 or/66-67
70 [Cytokine concept]
71 exp Cytokine/
72 (TNF* or tumor-necrosis-factor? or cachectin? or LT-a* or LTalpha or TSLP or SCF or stem-
cell-factor? or c-kit or SCGB3A1 or secretoglobin-family-3A-member? or HIN?).ti,ab,kw.
73 or/70-71
74 [Placental growth factor concept]
75 Placental Growth Factor/
76 (PGF or placental-growth-factor?).ti,ab,kw.
77 or/74-75
78 [IL-6 family concept]
79 Leukemia Inhibitory Factor/
80 (LIF or leukemia-inhibitory-factor or LIF or leukemia-inhibitory-factor or CDF or HILDA or
MLPLI or interleukin-6-family-cytokine?).ti,ab,kw.
81 or/78-79
82 [Macrophage migration inhibitory factor concept]
83 Macrophage migration inhibition factor/
84 (macrophage-migration-inhibitory-factor? or macrophage-inhibitory-factor? or MIF or
MMIF).ti,ab,kw.
85 or/82-83
86 [Osteopontin concept]
87 Osteopontin/
88 (OPN or osteopontin or SPP1 or secreted-phosphoprotein? or BNSP).ti,ab,kw.
89 or/86-87
90 [Oncostatin M concept]
91 Oncostatin M/
92 (OSM or oncostatin).ti,ab,kw.
93 or/90-91
94 [Immunoglobulin concept]
95 exp immunoglobulin/
96 (immunoglobulin?? or Ig?? slg??).ti,ab,kw.
97 or/94-95
98 [All signaling peptides/proteins concept]
99 or/15,19,24,28,32,36,40,51,56,60,64,68,72,76,80,84,88,92,96
100 [Human studies concept]
101 animal/ not (animal/ and human/
(10 and 98) not 100