

Catalogue of Newly Accepted Strains in IAM Culture Collection (December, 2000)

IAM Culture Collection
Institute of Molecular and Cellular Biosciences
The University of Tokyo

[Bacteria]

Microorganism	IAM No.	History	Medium	Temp.
<i>Agromyces</i> sp.	14850	A. Yokota, E-12	B-120	30
<i>Ancalomicrobium adetum</i>	14882 T	DSM 4722	B-115	25
<i>Arthrobacter duodecadis</i>	14868 T	IFO 12959	B-1	30
<i>Arthrobacter mysorens</i>	14869 T	NCIMB 10583	B-1	25
<i>Arthrobacter siderocapsulatus</i>	14870 T	NCIMB 11286	B-1	25
<i>Arthrobacter</i> sp.	14858	A. Yokota, S10-10	B-1	30
<i>Arthrobacter viscosus</i>	14871 T	NCIMB 9729	B-119	25
<i>Aureobacterium</i> sp.	14817	IFO 15702	B-104	30
<i>Brachybacterium</i> sp.	14856	A. Yokota, S9-9	B-120	30
<i>Brevibacterium</i> sp.	14857	A. Yokota, S10-3	B-1	30
<i>Brevibacterium helvolum</i>	14726	IFO 15775	B-116	30
<i>Cellulomonas cellulans</i>	14866 T	IFO 15516	B-39	30
<i>Cellulomonas turbata</i>	14867 T	JCM 3160	B-52	28
<i>Curtobacterium</i> sp.	14859	A. Yokota, E-2	B-1	30
<i>Deinococcus erythromyxa</i>	14778 T	IFO 15344	B-1	30
<i>Deinococcus erythromyxa</i>	14818 T	ATCC 187	B-1	27
<i>Deinococcus radiophilus</i>	14779 T	IFO 15347	B-1	30
<i>Deinococcus radiopugnans</i>	14780 T	IFO 15348	B-1	30
<i>Flavobacterium columnare</i>	14820	H. Wakabayashi, EK-28	B-56	27
<i>Flavobacterium columnare</i>	14821	H. Wakabayashi, PH 97028	B-56	27
<i>Janibacter brevis</i>	14781 T	Y. Imamura, 10N	B-116	30
<i>Janibacter brevis</i>	14782	Y. Imamura, 16N	B-116	30
<i>Janibacter limosus</i>	14889 T	DSM 11140	B-116	27
<i>Kocuria kristinae</i>	14775	CCM 2692	B-1	30
<i>Kocuria</i> sp.	14843	A. Yokota, F-2	B-1	30
<i>Kocuria</i> sp.	14844	A. Yokota, F-3	B-1	30
<i>Lampropedia hyalina</i>	14890 T	ATCC 11041	B-117	25
<i>Leucobacter</i> sp.	14851	A. Yokota, F-8	B-120	30
<i>Louconostoc</i> sp.	14897	K. Sato, kefir-bacterium	B-4	30
<i>Macromonas bipunctata</i>	14880 T	DSM 12705	B-114	27
<i>Methylobacterium rhodesianum</i>	14898	K. Sato, "Protaminobacter ruber" NR-1	B-1	30
<i>Microbacterium</i> sp.	14724	IFO 15616	B-104	37
<i>Microbacterium</i> sp.	14852	A. Yokota, S5-2	B-120	30
<i>Microbacterium</i> sp.	14853	A. Yokota, S9-2	B-120	30
<i>Microbacterium</i> sp.	14854	A. Yokota, S9-7	B-120	30
<i>Microbacterium</i> sp.	14855	A. Yokota, A-4	B-120	30
<i>Micrococcus luteus</i>	14879	NCIMB 13267	B-1	30
<i>Micrococcus</i> sp.	14841	A. Yokota, S3-4	B-1	30
<i>Microlunatus phosphovorius</i>	14536	Y. Ubukata, UMT-1	B-121	25
<i>Moritella</i> sp.	14827	H. Urakawa, HAR 08	B-2	11
<i>Moritella</i> sp.	14828	H. Urakawa, HAR 13	B-2	11
<i>Moritella</i> sp.	14829	H. Urakawa, HAR 65	B-2	11
<i>Moritella</i> sp.	14830	H. Urakawa, J 13	B-2	11
<i>Moritella</i> sp.	14831	H. Urakawa, J 28	B-2	11
<i>Moritella</i> sp.	14832	H. Urakawa, ODA 02	B-2	11
<i>Moritella</i> sp.	14833	H. Urakawa, HAS 1123	B-2	11
<i>Moritella</i> sp.	14834	H. Urakawa, SC 20	B-2	11
<i>Moritella</i> sp.	14835	H. Urakawa, SC 22	B-2	11
<i>Moritella</i> sp.	14836	H. Urakawa, SC 25	B-2	11
<i>Moritella</i> sp.	14837	H. Urakawa, SC 27	B-2	11
" <i>Ozaleobacter</i> " sp.	14848	A. Yokota, S7-7	B-120	30
<i>Pelczaria aurantia</i>	14819 T	ATCC 49321	B-116	30
<i>Planococcus</i> sp.	14845	A. Yokota, F-7	B-1	30
<i>Promicromonospora entherophila</i>	14864 T	IFO 14295	B-52	28

<i>Pseudoalteromonas bacteriolytica</i>	14595 T	T. Sawabe and Y. Ezura	B-109	20
<i>Pseudoalteromonas bacteriolytica</i>	14813	T. Sawabe, 8R	B-109	20
<i>Pseudoalteromonas luteoviolacea</i>	14725	NCIMB 2035	B-2	25
<i>Pseudomonas stutzeri</i>	14761	A. Watanabe and I. Karube, AK61	B-110	30
<i>Rhodobacter azotoformans</i>	14814 T	JCM 9340	B-111	27
<i>Rhodocista</i> sp.	14575	H. Kawasaki, MT-SP-2	B-61	30
<i>Rhodocista</i> sp.	14576	H. Kawasaki, MT-SP-3	B-61	30
<i>Roseobacter gallaeciensis</i>	14812 T	CIP 105210	B-2	25
<i>Roseovarius tolerans</i>	14840 T	DSM 11457	B-113	20
<i>Rothia dentocariosa</i>	14774	IFO 12532	B-52	28
<i>Rothia dentocariosa</i>	14816 T	IFO 12531	B-52	28
<i>Rubrimonas cliftonensis</i>	14838 T	JCM 10189	B-112	27
<i>Rubrivivax gelatinosus</i>	14808 T	DSM 1709	B-51	27
<i>Sphingomonas roseiflava</i>	14823 T	K. Kawahara, MK 341	B-38	25
<i>Sphingomonas</i> sp.	14822	K. Kawahara, MK 329	B-38	25
<i>Sphingomonas</i> sp.	14824	K. Kawahara, MK 346	B-38	25
<i>Sphingomonas</i> sp.	14825	K. Kawahara, MK 347	B-38	25
<i>Sphingomonas</i> sp.	14826	K. Kawahara, MK 355	B-38	25
<i>Staphylococcus</i> sp.	14842	A. Yokota, S5-9	B-1	30
<i>Stomatococcus mucilaginosus</i>	14776	CCM 2485	B-116	30
<i>Stomatococcus mucilaginosus</i>	14777	CCM 2486	B-116	30
<i>Stomatococcus mucilaginosus</i>	14815 T	ATCC 25296	B-116	30
<i>Tetrasphaera japonica</i>	14891 T	DSM 13192	B-118	27
<i>Tetrasphaera australiensis</i>	14892	DSM 13193	B-118	27
<i>Tsukamurella</i> sp.	14847	A. Yokota, S6-3	B-1	30
<i>Xenorhabdus japonicus</i>	14265 T	Y. Nishimura, SK-1	B-1	28

T, type strain.

[Molds]

Microorganism	IAM No.	History	Medium	Temp.
<i>Aspergillus usamii</i>	14875	AJ 7016	F-1, 2	24
<i>Basipetospora chlamydo sporis</i>	14783 T	CBS 228.84	F-25	24
<i>Cephalophora tropica</i>	14810	IFO 8351	F-1	24
<i>Cephalophora irregularis</i>	14809	CBS 218.62	F-6, 9	24
<i>Coemansia erecta</i>	14887	IFO 31065	F-1	24
<i>Coemansia erecta</i>	14888	IFO 32514	F-1	24
<i>Cokeromyces recurvatus</i>	14886	IFO 6737	F-1	24
<i>Mortierella ramanniana</i> var. <i>angulispora</i>	14876	IFO 6744	F-1	24
<i>Paecilomyces aerugineus</i>	14801 T	CBS 350.66	F-9, 23	24
<i>Paecilomyces javanicus</i>	14805 LT	CBS 134.22	F-9, 23	24
<i>Paecilomyces viridis</i>	14807 T	CBS 348.65	F-6, 9	28
<i>Penicillium funiculosum</i>	7013	FAT 71	F-1, 5	24
<i>Sagenoma viride</i>	14797 T	CBS 114.72	F-19	24
<i>Sagenomella alba</i>	14788 T	CBS 167.74	F-19	20
<i>Sagenomella bohemica</i>	14789 T	CBS 545.86	F-19	20
<i>Sagenomella diversispora</i>	14790	CBS 354.36	F-19	20
<i>Sagenomella diversispora</i>	14791	CBS 430.67	F-19	20
<i>Sagenomella griseoviridis</i>	14792	CBS 101011	F-19	20
<i>Sagenomella griseoviridis</i>	14811 T	CBS 426.67	F-6, 19	24
<i>Sagenomella humicola</i>	14793	CBS 427.67	F-19	20
<i>Sagenomella sclerotialis</i>	14794 T	CBS 366.77	F-19	24
<i>Sagenomella striatispora</i>	14795	CBS 429.67	F-19	24
<i>Sagenomella verticillata</i>	14796 T	CBS 414.78	F-19	20

T, ex-type strain; LT, lectotype strain.

[Microalgae]

Microorganism	IAM No.	History	Medium	Temp.
<i>Eudorina illinoisensis</i>	C-596	H. Nozaki, 94-409-E-10	A-46L	20-25
<i>Eudorina illinoisensis</i>	C-597	H. Nozaki, 94-409-E-11	A-46L	20-25
<i>Gonium pectorale</i>	C-598	H. Nozaki, 94-409-G-4	A-46L	20-25
<i>Gonium pectorale</i>	C-599	H. Nozaki, 94-409-G-6	A-46L	20-25
<i>Microcystis aeruginosa</i>	M-247	S. Otsuka, NC7 (=NIES 843)	A-33L	20-25
<i>Poterioochromonas malhamensis</i>	CS-7	SAG 933-1a	A-8S	20-25
<i>Synechococcus</i> sp.	M-200	E. Suzuki (=PCC 7942)	A-41	20-25
<i>Synechocystis</i> sp.	M-208	H. Takahashi (=PCC 6803)	A-41	20-25
<i>Synechocystis</i> sp.	M-224	T. Ogawa (=PCC 6803)	A-44	20-25
<i>Tolypothrix distorta</i>	M-98	UTEX 424	A-1	20-25
<i>Tolypothrix tenuis</i>	M-29	A. Watanabe (=NIES 37)	A-1	20-25
<i>Tolypothrix tenuis</i>	M-70	M. Ishikawa, 71.T350W	A-1	20-25
<i>Trebouxia erici</i>	C-116	UTEX 912	A-5	20-25
<i>Trebouxia erici</i>	C-593	UTEX 910	A-5	20-25
<i>Trebouxia glomerata</i>	C-594	UTEX 896	A-5	20-25
<i>Trebouxia glomerata</i>	C-595	UTEX 897	A-5	20-25
<i>Vischeria punctata</i>	X-36	UTEX 153	A-4	20-25
<i>Vischeria stellata</i>	X-5	UTEX 312	A-4	20-25
<i>Volvox aureus</i>	C-600	H. Nozaki, 31202-2-9	A-46L	20-25
<i>Volvox barberi</i>	C-601	H. Nozaki, U804VxB (=UTEX 804)	A-14	20-25

Deleted from the IAM CATALOGUE OF STRAINS

IAM No.	Microorganism
[Yeasts] 12233	<i>Cryptococcus flavus</i>
[Molds] 6151	<i>Mortierella ramanniana</i> var. <i>angulispora</i>
7050	<i>Penicillium viridicatum</i>
7234	<i>Penicillium digitatum</i>
13439	<i>Septofusidium beroliense</i>
13440	<i>Septofusidium herbarum</i>
13458	<i>Pectinotrichum llanense</i>
14093	<i>Eurotium medium</i>
14447	<i>Ustilago esculenta</i>
[Microalgae] CS-1	<i>Poterioochromonas malhamensis</i>

MEDIA FOR BACTERIAL STRAINS

B-109	MODIFIED CSY-3 AGAR MEDIUM			Yeast extract (Bacto)	0.25	g
	Casitone (Difco)	1.0	g	Agar (Bacto)	15.0	g
	Bactosoytone (Difco)	1.0	g	Distilled water	710.0	ml
	Yeast extract (Difco)	1.0	g	Adjust pH to 7.5 (the medium is only weakly buffered; one needs approx. 10 drops/l medium of 6N KOH). Autoclave at 121°C for 20 min.		
	Ferric ammonium citrate	0.4	g	After cooling to 60°C add to the medium:		
	Agar	13.0	g	2.5% Glucose solution (sterile-filtered)	10.0	ml
	Seawater	1.0	L	Vitamin solution (see Medium B-93)	10.0	ml
	Adjust pH to 7.5.			*Artificial seawater:		
B-110	TYG MEDIUM			NaCl	23.477	g
	Tryptone	5.0	g	Na ₂ SO ₄	3.917	g
	Yeast extract	5.0	g	MgCl ₂ •6H ₂ O	4.981	g
	Glucose	1.0	g	CaCl ₂ •2H ₂ O	1.102	g
	K ₂ HPO ₄	1.0	g	NaHCO ₃	192.0	mg
	Distilled water	1.0	L	KCl	664.0	mg
	Adjust pH to 7.0.			KBr	6.0	mg
B-111	MYS MEDIUM			H ₃ BO ₃	26.0	mg
	KH ₂ PO ₄	1.0	g	SrCl ₂	24.0	mg
	(NH ₄) ₂ SO ₄	1.0	g	NaF	3.0	mg
	NaCl	0.2	g	Distilled water	1.0	L
	MgCl ₂ •6H ₂ O	0.2	g	B-114	MACROMONAS MEDIUM	
	CaCl ₂ •2H ₂ O	0.05	g	(NH ₄) ₂ SO ₄	0.3	g
	Trace element solution SL8 (see Medium B-95)	1.0	ml	MgSO ₄ •7H ₂ O	0.3	g
	Sodium DL-malate	3.6	g	CaCl ₂ •2H ₂ O	0.15	g
	Yeast extract	1.0	g	Yeast extract (Difco)	0.2	g
	Distilled water	1.0	L	Agar (Difco)	1.0	g
	Adjust pH to 6.8.			Distilled water	1.0	L
B-112	PPES-II AGAR MEDIUM			Adjust pH to 7.2 - 7.4.		
	Peptone	2.0	g	To the autoclaved medium add the following sterile solutions:		
	Proteose peptone No. 3	1.0	g	Vitamin solution*	1.0	ml
	Soytone	1.0	g	Trace element solution (SL 10) (see Medium B-74) containing		
	Yeast extract	1.0	g	5 g/l Na ₂ -EDTA, pH 6.0	1.0	ml
	Fe(III)-EDTA	0.1	g	Na ₂ S ₂ O ₃ •5 H ₂ O, 10% w/v	10.0	ml
	Agar	15.0	g	Na ₂ -succinate, 10% w/v	5.0	ml
	Artificial seawater*	1.0	L	Catalase, 1000 U/ml	10.0	ml
	Adjust pH to 7.8.			*Vitamin solution:		
	*Artificial seawater:			Vitamin B ₁₂	100.0	mg
	NaCl	30.0	g	<i>p</i> -Aminobenzoic acid	80.0	mg
	KCl	0.7	g	D(+)-Biotin	20.0	mg
	MgCl ₂ •6H ₂ O	10.8	g	Nicotinic acid	200.0	mg
	MgSO ₄ •7H ₂ O	5.4	g	Calcium panthothenate	100.0	mg
	CaCl ₂ •2H ₂ O	1.0	g	Pyridoxine-HCl		
	Distilled water	1.0	L		300.0	mg
B-113				Thiamine-HCl•2H ₂ O	200.0	mg
	Artificial seawater *	250.0	ml	Distilled water	1.0	L
	HMSS solution (see Medium B-108)	20.0	ml			
	Peptone (Bacto)	0.25	g			

B-115 ANCALOMICROBIUM MEDIUM

(NH ₄) ₂ SO ₄	0.25	g
Glucose	0.25	g
Vitamin solution (see Medium B-93)	10.0	ml
HMSS solution (see Medium B-108)	20.0	ml
Na ₂ HPO ₄	0.071	g
Distilled water	970.0	ml

Adjust pH to 7.0.

B-116 TRYPTICASE SOY YEAST EXTRACT MEDIUM

Trypticase soy broth	30.0	g
Yeast extract	3.0	g
Agar	15.0	g
Distilled water	1.0	L

Adjust pH to 7.0 - 7.2.

B-117

Yeast extract	2.0	g
Tryptone	1.0	g
Sodium acetate	1.0	g
Agar	15.0	g
Distilled water	1.0	L

Adjust pH to 7.4.

B-118 GLUCOSE SULFIDE MEDIUM

Glucose	0.15	g
Yeast extract	1.0	g
(NH ₄) ₂ SO ₄	0.5	g
CaCO ₃	0.1	g
Ca(NO ₃) ₂	0.1	g
KCl	0.05	g
K ₂ HPO ₄	0.05	g
MgSO ₄ •7 H ₂ O	0.05	g
Na ₂ S•9 H ₂ O	0.2	g
Vitamin solution (see Medium B-93)	10.0	ml
Distilled water	990.0	ml

Adjust pH to 7.3.

B-119 MALT YEAST AGAR

Malt extract	3.0	g
Yeast extract	3.0	g
Peptone	5.0	g
Glucose	10.0	g
Agar	15.0	g
Distilled water	1.0	L

Adjust pH to 7.0.

B-120 NUTRIENT AGAR WITH 0.5% BHI

Add 0.5% Bacto-Brain Heart Infusion (BHI) to Medium B-1.

B-121 MICROLUNATUS MEDIUM

Glucose	0.5	g
Peptone	0.5	g
Yeast extract	0.5	g
Monosodium glutamate	0.5	g
KH ₂ PO ₄	0.44	g
(NH ₄) ₂ SO ₄	0.1	g
MgSO ₄ • 7H ₂ O	0.1	g
Distilled water	1.0	L

Adjust pH 7.0.

MEDIA FOR MOLD STRAINS**F-25 POTATO SUCROSE AGAR WITH 0.01% YEAST EXTRACT**

Add 0.01% yeast extract to Medium F-1.