

Database on accessions of Microorganisms

Name of the Collector/ Depositor M. Nagesh,	Designation : Principal Scientist
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	Fax No. : 080-23411961
Name of the microorganisms	Type of culture : Fungus : Paecilomyces lilacinus PDBC P 55
Details of source of culture	
Place of isolation (Habitat crop, plant or animals etc)	Tomato
Collection date	2001
Collected/Deposited by	M. Nagesh
District and state	Kolar, Karnataka
Details of isolation	
Isolation by (Person and address)	M. Nagesh, PDBC
Isolation date	2001
Specimen isolated from (eg. leaf) stem, roof , soil, egg mass, insect, etc	Galled root, infected egg mass
Growth and maintenance	
Medium of growth	PDA
Medium for sporulation	PDA
Optimum temperature for growth	28-32 °C
Incubation time	72-96h
Subculture period	45-60days
Special requirement for growth and sporulation, if any	Nil
Identified by	M. Nagesh, PDBC
Geographical origin	Karnataka
A brief description or distinctive features of the microorganism	*Separate Table.

Any record on RFLP/RAPD pattern or unique markers		-	
Taxonomic data			
Microorganism is preserved in Nature		Glycerol stock, media with mineral oil	
IPR/paten information, if any		No	
Provide accession number, if deposited elsewhere		-	
Any other information		-	
Signature and date			
Colony on CMA ¹ /PDA	Pigment in medium	Phialid	Conidia
Lilac/pinkish	Vinaceous shades	Swollen base tapering to top, arise from lateral hyphae, whorls of 2-4 phialides.	Ovoid, smooth, individual

Data base of PDBC accessions of microorganisms

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Name of the microorganisms	Type of culture : Fungus : Paecilomyces lilacinus PDBC PL 58
Details of source of culture	
Place of isolation (Habitat crop, plant or animals etc)	eggplant
Collection date	2001
Collected/Deposited by	M. Nagesh
District and state	Hoskote, Karnataka
Details of isolation	
Isolation by (Person and address)	M. Nagesh, PDBC
Isolation date	2001
Specimen isolated from (eg. leaf) stem, roof , soil, egg mass, insect, etc	Soil, diseased egg mass

Growth and maintenance	
Medium of growth	PDA
Medium for sporulation	PDA
Optimum temperature for growth	28-32 °C
Incubation time	72-96h
Subculture period	45-60days
Special requirement for growth and sporulation, if any	Nil
Identified by	M. Nagesh, PDBC
Geographical origin	Karnataka
A brief description or distinctive features of the microorganism	*Separate Table.
Any record on RFLP/RAPD pattern or unique markers	-
Taxonomic data	
Microorganism is preserved in	Glycerol stock, media with mineral oil
Nature	Facultative parasite of egg and eggmass of nematode
IPR/paten information, if any	No
Provide accession number, if deposited elsewhere	-
Any other information	-
Signature and date	

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Name of the microorganisms	Type of culture : Fungus : Paecilomyces lilacinus PDBC PL 56
Details of source of culture	
Place of isolation (Habitat crop, plant or animals etc)	Tomato
Collection date	

Collected/Deposited by	2003
District and state	M. Nagesh Rajanukunte, Karnataka
Details of isolation	
Isolation by (Person and address)	M. Nagesh, PDBC
Isolation date	2002
Specimen isolated from (eg. leaf) stem, roof, soil, egg mass, insect, etc	Galled root
Growth and maintenance	
Medium of growth	PDA
Medium for sporulation	PDA
Optimum temperature for growth	28-32 °C
Incubation time	96h
Subculture period	45-60days
Special requirement for growth and sporulation, if any	Nil
Identified by	M. Nagesh, PDBC
Geographical origin	Karnataka
A brief description or distinctive features of the microorganism	*Separate Table.
Any record on RFLP/RAPD pattern or unique markers	-
Taxonomic data	
Microorganism is preserved in	Glycerol stock, media with mineral oil
Nature	Facultative parasite of egg and eggmass of nematode
IPR/paten information, if any	No
Provide accession number, if deposited elsewhere	-
Any other information	-
Signature and date	

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Name of the microorganisms	Type of culture : Fungus : Paecilomyces lilacinus PDBC PL 72
Details of source of culture	
Place of isolation (Habitat crop, plant or animals etc)	Okra
Collection date	2003
Collected/Deposited by	M. Nagesh
District and state	Kolar, Karnataka
Details of isolation	
Isolation by (Person and address)	M. Nagesh, PDBC
Isolation date	2001
Specimen isolated from (eg. leaf) stem, roof , soil, egg mass, insect, etc	Egg mass of reniform nematode, soil
Growth and maintenance	
Medium of growth	PDA
Medium for sporulation	PDA
Optimum temperature for growth	28-32°C
Incubation time	
Subculture period	
Special requirement for growth and sporulation, if any	Nil
Identified by	PDBC
Geographical origin	Karnataka

A brief description or distinctive features of the microorganism	*Separate Table.
Any record on RFLP/RAPD pattern or unique markers	
Taxonomic data	
Microorganism is preserved in Nature	Glycerol stock, media with mineral oil Facultative parasite of egg and eggmass of nematode
IPR/paten information, if any	No
Provide accession number, if deposited elsewhere	-
Any other information	-
Signature and date	

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Name of the microorganisms	Type of culture : Fungus : Paecilomyces lilacinus PDBC PL 57
Details of source of culture	
Place of isolation (Habitat crop, plant or animals etc)	Tomato
Collection date	2003
Collected/Deposited by	M. Nagesh
District and state	Kolar, Karnataka
Details of isolation	
Isolation by (Person and address)	M. Nagesh, PDBC
Isolation date	2003
Specimen isolated from (eg. leaf) stem, roof , soil, egg mass, insect, etc	Galled root, egg mass of root-knot nematode

Growth and maintenance	
Medium of growth	PDA
Medium for sporulation	PDA
Optimum temperature for growth	28-33°C
Incubation time	
Subculture period	
Special requirement for growth and sporulation, if any	Nil
Identified by	PDBC
Geographical origin	Karnataka
A brief description or distinctive features of the microorganism	*Separate Table.
Any record on RFLP/RAPD pattern or unique markers	-
Taxonomic data	
Microorganism is preserved in	Glycerol stock, media with mineral oil
Nature	Facultative parasite of egg and eggmass of nematode
IPR/paten information, if any	No
Provide accession number, if deposited elsewhere	-
Any other information	-
Signature and date	

Colony on CMA ¹ /PDA	Pigment in medium	Phialid	Conidia
Lilac/pinkish	Vinaceous shades	Swollen base tapering to top, arise from lateral hyphae, whorls of 2-4 phialides.	Ovoid, smooth, individual

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Name of the microorganisms	Type of culture : Fungus : Pochonia chlamydosporia PDBC PC
Details of source of culture	
Place of isolation (Habitat crop, plant or animals etc)	Okra
Collection date	2001
Collected/Deposited by	M. Nagesh
District and state	Hosakote, Karnataka
Details of isolation	
Isolation by (Person and address)	M. Nagesh, PDBC
Isolation date	2001
Specimen isolated from (eg. Leaf) stem, roof , soil, egg mass, insect, etc	Galled root, soil
Growth and maintenance	
Medium of growth	PDA
Medium for sporulation	PDA
Optimum temperature for growth	28-34°C
Incubation time	120h
Subculture period	45 days
Special requirement for growth and sporulation, if any	Nil
Identified by	PDBC
Geographical origin	Karnataka
A brief description or distinctive features of the microorganism	*Separate Table.
Any record on RFLP/RAPD pattern or unique markers	
Taxonomic data	
Microorganism is preserved in	Glycerol stock, media with mineral oil
Nature	Facultative parasite of cyst, egg and eggmass of nematode
IPR/paten information, if any	No
Provide accession number, if deposited elsewhere	AY593965 Beta tubulin gene
Any other information	-
Signature and date	

Colony on CMA ¹ /PDA	Pigment in medium	Phialid	Conidia	Chlamydo-spores
Creamy white	Light yellow	Slender and long, tapering distally.	Ovoid, smooth, chains	Present

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	Fax No. : 080-23411961
Name of the microorganisms	Type of culture : Fungus : Pochonia chlamydosporia PDBC PC56
Details of source of culture	
Place of isolation (Habitat crop, plant or animals etc)	Tomato
Collection date	2001
Collected/Deposited by	M. Nagesh
District and state	Kolar, Karnataka
Details of isolation	
Isolation by (Person and address)	M. Nagesh, PDBC
Isolation date	2001
Specimen isolated from (eg. leaf) stem, root , soil, egg mass, insect, etc	Egg mass of root-knot nematode, Galled root
Growth and maintenance	
Medium of growth	CMA
Medium for sporulation	CMA
Optimum temperature for growth	28-34°C
Incubation time	72-96hrs

Subculture period	45 days			
Special requirement for growth and sporulation, if any	Nil			
Identified by	M. Nagesh PDBC			
Geographical origin	Karnataka			
A brief description or distinctive features of the microorganism	*Separate Table.			
Any record on RFLP/RAPD pattern or unique markers				
Taxonomic data				
Microorganism is preserved in	Glycerol stock, media with mineral oil			
Nature	Facultative parasite of cyst, egg and egg mass of nematode			
IPR/paten information, if any	No			
Provide accession number, if deposited elsewhere	AY603497 Beta tubulin gene			
Any other information	-			
Signature and date				
Colony on CMA ¹ /PDA	Pigment in medium	Phialid	Conidia	Chlamydo-spores
Creamy white	Light yellow	Slender and long, tapering distally.	Ovoid, smooth, chains	Present

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Name of the microorganisms	Type of culture : Fungus Pochonia chlamydosporia PC57
Details of source of culture	
Place of isolation (Habitat crop, plant or animals etc)	Redgram
Collection date	2002
Collected/Deposited by	M. Nagesh
District and state	Raichur, Karnataka
Details of isolation	

Isolation by (Person and address)	Soil samples from fields
Isolation date	2002
Specimen isolated from (eg. leaf) stem, roof, soil, egg mass, insect, etc	Infected cysts, soil
Growth and maintenance	
Medium of growth	CMA
Medium for sporulation	CMA
Optimum temperature for growth	29-34C
Incubation time	120h
Subculture period	45 days
Special requirement for growth and sporulation, if any	Nil
Identified by	M Nagesh, PDBC
Geographical origin	Karnataka
A brief description or distinctive features of the microorganism	*Separate Table.
Any record on RFLP/RAPD pattern or unique markers	-
Taxonomic data	
Microorganism is preserved in	Glycerol stock, media with mineral oil
Nature	Facultative parasite of cyst, egg and eggmass of nematode
IPR/paten information, if any	-
Provide accession number, if deposited elsewhere	AY642328 Beta tubulin gene
Any other information	
Signature and date	

Colony on CMA ¹ /PDA	Pigment in medium	Phialid	Conidia	Chlamydo-spores
Creamy white	Light yellow	Slender and long, tapering distally.	Ovoid, smooth, chains	Present

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Name of the microorganisms	Type of culture : Fungus Pochonia chlamydosporia PC69
Details of source of culture Place of isolation (Habitat crop, plant or animals etc) Collection date Collected/Deposited by District and state	Vegetables 2002 M. Nagesh Chithoor, Andhra Pradesh
Details of isolation Isolation by (Person and address) Isolation date Specimen isolated from (eg. leaf) stem, roof , soil, egg mass, insect, etc	Soil samples from fields 2002 Infected cysts, soil
Growth and maintenance Medium of growth Medium for sporulation Optimum temperature for growth Incubation time Subculture period Special requirement for growth and sporulation, if any	CMA CMA 29-34C 120h 45 days Nil
Identified by	M Nagesh, PDBC
Geographical origin	Andhra Pradesh
A brief description or distinctive	*Separate Table.

features of the microorganism	
Any record on RFLP/RAPD pattern or unique markers	-
Taxonomic data	
Microorganism is preserved in	Glycerol stock, media with mineral oil
Nature	Facultative parasite of cyst, egg and eggmass of nematode
IPR/paten information, if any	-
Provide accession number, if deposited elsewhere	DQ417603 Beta tubulin gene
Any other information	
Signature and date	

Colony on CMA ¹ /PDA	Pigment in medium	Phialid	Conidia	Chlamydo-spores
Creamy white	Light yellow	Slender and long, tapering distally.	Ovoid, smooth, chains	Present

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Name of the microorganisms	Type of culture : Fungus Arthrotrys oligospora AO1
Details of source of culture	
Place of isolation (Habitat crop, plant or animals etc)	Pasture, Yelahanka
Collection date	2003
Collected/Deposited by	M. Nagesh
District and state	Bangalore, Karnataka
Details of isolation	
Isolation by (Person and address)	Soil samples from fields
Isolation date	2002

Specimen isolated from (eg. leaf) stem, roof, soil, egg mass, insect, etc	Infected cysts, soil	
Growth and maintenance		
Medium of growth	CMA	
Medium for sporulation	CMA	
Optimum temperature for growth	29-34C	
Incubation time	96h	
Subculture period	30 days	
Special requirement for growth and sporulation, if any	Nil	
Identified by	M Nagesh, PDBC	
Geographical origin	Karnataka	
A brief description or distinctive features of the microorganism	*Separate Table.	
Any record on RFLP/RAPD pattern or unique markers	-	
Taxonomic data		
Microorganism is preserved in Nature	Glycerol stock, media with mineral oil Facultative parasite of cyst, egg and eggmass of nematode	
IPR/paten information, if any	-	
Provide accession number, if deposited elsewhere	-	
Any other information	-	
Signature and date		
Conidiophore	Conidiospore	Chlamydo-spores
Erect, up to 10 conidia on narrow short denticles	Obovoidal, broad, 1-septate, adhesive hypae	Present