

List of living cultures of homoxenous trypanosomatids in the collection of the Laboratory of Protozoology, Zoological Institute, St.Petersburg (Kinetoplastida)

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The collection of living cultures of homoxenous trypanosomatids described includes 34 isolates belonging to 5 genera of the family Trypanosomatidae. The collection is one of the largest in the world.

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Creation of the bank of living cultures of homoxenous trypanosomatids in the Laboratory of Protozoology, Zoological Institute, St.Petersburg, started in 1979 under the direction of Prof. M.V. Krylov, Head of Laboratory.

Most cultures in the collection are represented by isolates. The collection is one of the largest in the world. Some cultures are preserved in cryobanks of Max Plank Institute (Dortmund, Germany), CIRAD-CP (France), and São Paulo University (Brazil).

All cultures are carried on a liquid medium BHI (Difco) with addition of hemin (25 µg/ml). Passage is carried out once a month. After passage, the cultures are incubated during three days at 25 °C, and then at 5 °C.

The date following the name of the culture after a dash means the year when the culture has begun to be cultivated in the Laboratory of Protozoology. For some cultures, the code of the culture is given in brackets after the name.

Genus *Blastocrithidia* Laird, 1959

B. gerricola Podlipaev, 1985 (KV1) – 1981, isolated by S. Podlipaev in Kaliningrad Prov., Russia. Epimastigotes not represented in the culture. Host: *Gerris lacustris* (Heteroptera).

B. miridarum Podlipaev & Frolov, 1987 (BM-33) – 1985, isolated by A. Frolov in Pskov Prov., Russia. Epimastigotes not represented in the culture. Host: *Leptopterna dolabrata* (Heteroptera).

Genus *Crithidia* Leger, 1902

C. fasciculata Leger, 1902 (1) – 1987, received from A.A. Kolesnikov, Moscow State University, Russia. Host unknown.

C. fasciculata Leger, 1902 (2) – 1992, received from D. Maslov, University of California-Riverside, USA. Host unknown.

C. guilhermei Soares et al., 1986 – 1990, received from E.P. Camargo, San Paulo University, Brazil, isolated in Brazil. Host: *Phaenicia cupprina* (Diptera).

C. luciliae (Strickland, 1911) (CLAA) – 1984, received from Moscow State University, Russia. Host unknown.

C. oncopelti (Noguchi & Tilden, 1926), strain COM – 1979, received from Moscow State University, Russia. Cells with and without symbionts represented in the culture. Host unknown. *Note.* It is shown that the culture of *C. oncopelti* represents a composite species (Krylov et al., 1985). From this culture, the species *C. asclepii* was selected, in which the cells have no symbionts; for the cells with symbionts, the name *C. oncopelti* was retained.

C. oncopelti (Noguchi & Tilden, 1926), strain CON – 1985, isolated from culture of *C. oncopelti* (COM) in the Laboratory of Protozoology, St.Petersburg, Russia. Only cells with symbionts are present. Host unknown.

C. asclepii Krylov et al., 1985, strain CAS – 1985, isolated from culture of *C. oncopelti* (COM) in the Laboratory of Protozoology, St.Petersburg, Russia. Only cells without symbionts are present. Host unknown.

Genus *Herpetomonas* Kent, 1880

H. muscarum (Leidy, 1856) – 1992, received from D. Maslov, University of California-Riverside, USA, isolated in USA. Host: *Musca domestica* (Diptera).

H. pessoai (Galvao et al., 1970) – 1992, received from D. Maslov, University of California-Riverside, USA, isolated in Brazil. Host: *Zelus leucogrammus* (Heteroptera).

H. roitmani (Fiorini et al., 1989) – 1990, received from E.P. Camargo, San Paulo University, Brazil, isolated in Brazil. Host: *Ornidia obesa* (Diptera).

Herpetomonas sp. (TrypX) 1996 – 1997, received from J. Lukas, Institute of Parasitology, Czech Republic, isolated in Czech Republic. Host: *Musca domestica* (Diptera).

Genus *Leptomonas* Kent, 1880

L. collosoma Wallace et al., 1960 – 1992, received from D. Maslov, University of California-Riverside, USA, isolated in USA. Host: *Gerris dissortis* (Heteroptera).

L. nabiculae Podlipaev, 1985 (d2) – 1982, isolated by S. Podlipaev in Leningrad Prov., Russia. Host: *Nabis (Nabicula) flavomarginatus* (Heteroptera).

L. peterhoffi Podlipaev, 1985 (101) – 1982, isolated by S. Podlipaev in Leningrad Prov., Russia. Host: *Nabis (Nabicula) flavomarginatus* (Heteroptera).

L. rigidus Podlipaev et al., 1991 (1b) – 1987, isolated by S. Podlipaev on cape Kartesh (White Sea), Karelia, Russia. Host: *Salda littoralis* (Heteroptera).

L. seymouri Wallace, 1977 – 1992, received from D. Maslov, University of California-Riverside, USA, isolated in USA. Host: *Dysdercus suturellus* (Heteroptera).

Leptomonas sp. (CL6) – 1983, isolated by A. Frolov in Pskov Prov., Russia. Host: *Nabis (Dolichonabis) limbatus* (Heteroptera).

Leptomonas sp. (Cfm9) – 1983, isolated by A. Frolov in Pskov Prov., Russia. Host: *Nabis (Nabicula) flavomarginatus* (Heteroptera).

Leptomonas sp. (CL8) – 1984, isolated by A. Frolov in Leningrad Prov., Russia. Host: *Nabis (Dolichonabis) limbatus* (Heteroptera).

Leptomonas sp. (F2) – 1986, isolated by S. Podlipaev on cape Kartesh (White Sea), Karelia, Russia. Host: *Nabis (Nabicula) flavomarginatus* (Heteroptera).

Leptomonas sp. (F5) – 1986, isolated by S. Podlipaev on cape Kartesh (White Sea), Karelia, Russia. Host: *Nabis (Nabicula) flavomarginatus* (Heteroptera).

Leptomonas sp. (F6) – 1986, isolated by S. Podlipaev on cape Kartesh (White Sea), Karelia, Russia. Host: *Nabis (Nabicula) flavomarginatus* (Heteroptera).

Leptomonas sp. (F7) – 1986, isolated by S. Podlipaev on cape Kartesh (White Sea), Karelia, Russia. Host: *Nabis (Nabicula) flavomarginatus* (Heteroptera).

Leptomonas sp. (F8) – 1986, isolated by S. Podlipaev on cape Kartesh (White Sea), Karelia, Russia. Host: *Nabis (Nabicula) flavomarginatus* (Heteroptera).

Leptomonas sp. (C4) – 1987, isolated by S. Podlipaev in Leningrad Prov., Russia. Host: *Gerris rufoscutellatus* (Heteroptera).

Leptomonas sp. (P) – 1988, isolated by S. Podlipaev in Leningrad Prov., Russia. Host: *Panorpa communis* (Mecoptera).

Leptomonas sp. (Nfm) – 1991, isolated by A. Frolov in Pskov Prov., Russia. Host: *Nabis (Nabicula) flavomarginatus* (Heteroptera).

Leptomonas sp. – 1992, received from D. Maslov, University of California-Riverside, USA, isolated in USA. Host unknown.

Genus *Wallaceina* Podlipaev et al., 1990

W. brevicula (Frolov & Malysheva, 1989) (NBr) – 1986, isolated by A. Frolov in Pskov Prov., Russia. Host: *Nabis (Nabis) brevis* (Heteroptera). *Note.* Two strains of cells differing in morphology (NBrA and NBrB; see below) were selected from the culture of *W. brevicula* (Frolov & Malysheva, 1989).

W. brevicula (NBrA). Syn. *Crithidia allae* Frolov & Malysheva, 1989 – 1986, isolated from the culture of *W. brevicula* (NBr) in the Laboratory of Protozoology, St.Petersburg, Russia. Host: *Nabis (Nabis) brevis* (Heteroptera).

W. brevicula (NBrB). Syn. *Crithidia brevicula* Frolov & Malysheva, 1989 – 1986, isolated from the culture of *W. brevicula* (NBr) in the Laboratory of Protozoology, St.Petersburg, Russia. Host: *Nabis (Nabis) brevis* (Heteroptera).

W. inconstans (Podlipaev et al., 1990) (GK) – 1986, isolated by A. Frolov in Pskov Prov., Russia. Host: *Calocoris* (now *Grypocoris*) *sexguttatus* (Heteroptera).

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