**Table S2: Media for extracellular incubation of *P. amoebophila*.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Glucose** |  | **Phenylalanine** |
| **Medium** | **Isotopolog/ Stereoisomer** | **Concentration [mM]** |  | **Isotopolog/ Stereoisomer** | **Concentration [mM]** |
| DGM-D | D-glucose | 83.2 |  | L-phenylalanine | 5.4 |
| DGM-D/2 | D-glucose | 41.6 |  | L-phenylalanine | 5.4 |
| DGM-L | L-glucose | 83.2 |  | L-phenylalanine | 5.4 |
| DGM-DL | D-glucose, L-glucose | 83.2 (both) |  | L-phenylalanine | 5.4 |
| DGM-D6P | D-glucose-6-phosphate | 83.2 |  | L-phenylalanine | 5.4 |
| DGM-DD6P | D-glucose, D-glucose-6-phosphate | 83.2 (both) |  | L-phenylalanine | 5.4 |
| DGM-D-13C | D-[U-13C6]-glucose (99%) | 83.2 |  | L-phenylalanine | 5.4 |
| DGM-D-1-13C | D-[1-13C]-glucose (98-99%) | 83.2 |  | L-phenylalanine | 5.4 |
| DGM-D-6-13C | D-[6-13C]-glucose (99%) | 83.2 |  | L-phenylalanine | 5.4 |
| DGM-D-13C15N | D-[U-13C6]-glucose (99%) | 83.2 |  | L-[U-13C9,15N]-phenylalanine (97-99%) | 5.4 |

All listed media are based on the chemically defined *Acanthamoeba* medium DGM-21A [[1](#_ENREF_1)], but were additionally supplemented with 0.25 g/l NaHCO3. Included isotopologs/stereoisomers of glucose and phenylalanine, as well as their concentration, are indicated.

**References**

1. Schuster FL (2002) Cultivation of pathogenic and opportunistic free-living amebas. Clin Microbiol Rev 15: 342-354.