

Liberimonas magnetica gen. nov. sp. nov.

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Table 1: Complete list of names proposed in the current register list.

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Genus <i>Liberimonas</i>	[Li.be.ri.mo'nas] L. masc. adj. <i>liberus</i> , free; L. fem. n. <i>monas</i> , unit, monad; N.L. fem. n. <i>Liberimonas</i> , a free monad	Potentially has a fermentation-based metabolism. Has the capacity to produce lactate and acetate as fermentation products. Has the potential for autotrophic growth with hydrogen and carbon dioxide via the Wood-Ljungdahl pathway. Predicted unable to assimilate nitrite or nitrate and unable to fix nitrogen. Sulfur is likely assimilated through sulfate reduction. Supposedly capable of twitching motility.	<i>Liberimonadaceae</i>	<i>Liberimonas magnetica</i> ^{Ts}	seqco.de/i:45213
Species <i>Liberimonas magnetica</i> ^{Ts}	[mag.ne'ti.ca] L. fem. adj. <i>magnetica</i> , magnetic	Potentially has a fermentation-based metabolism. Has the capacity to produce lactate and acetate as fermentation products. Has the potential for autotrophic growth with hydrogen and carbon dioxide via the Wood-Ljungdahl pathway. Predicted unable to assimilate nitrite or nitrate and unable to fix nitrogen. Sulfur is likely assimilated through sulfate reduction. Supposedly capable of twitching motility. Was collected on magnetic column from waterlogged soil of the Durykino ravine. The reference strain is DUR002. The genome reference sequence of DUR002 is JAJAPY000000000 . G+C content 39.76%.	<i>Liberimonas</i>	NCBI Assembly: GCA_020523885.1 ^{Ts}	seqco.de/i:45212