

Species	Media	Carbon source	Bionutrient	Reference
<i>G. thermoglucosidasius</i>	TB-ASM	0.1 g L <sup>-1</sup> cellobiose, glucose or xylose	10 g L <sup>-1</sup> tryptone, 1 g L <sup>-1</sup> yeast extract	[7]
<i>Geobacillus</i> strain LC300	Growth medium	2 g L <sup>-1</sup> xylose	0.05 g L <sup>-1</sup> yeast extract	[9]
<i>G. thermoglucosidasius</i>	ASYE	20 g L <sup>-1</sup> glucose	5 g L <sup>-1</sup> yeast extract	[5]
<i>G. thermoglucosidasius</i>	USYE	30 g L <sup>-1</sup> glucose	10 g L <sup>-1</sup> yeast extract	[5]
<i>G. thermoglucosidasius</i>	USYE	10 g L <sup>-1</sup> glucose	1 g L <sup>-1</sup> tryptone, 1 g L <sup>-1</sup> yeast extract	[5]
<i>G. thermoglucosidasius</i>	USYE	30 g L <sup>-1</sup> cellobiose or xylose	10 g L <sup>-1</sup> yeast extract	[5]
<i>G. thermoglucosidasius</i>	TMM	2 g L <sup>-1</sup> glucose, xylose, arabinose or cellobiose	0.2 or 0.5 g L <sup>-1</sup> yeast extract	[10]
<i>G. thermoglucosidasius</i>	CBM	N/A	4 g L <sup>-1</sup> casein hydrolysate	[8]
<i>G. thermoglucosidasius</i>	ASYE	20 g L <sup>-1</sup> glucose	10 g L <sup>-1</sup> yeast extract	[8]
<i>G. kaustophilus</i>	MM	Various	1 g L <sup>-1</sup> casamino Acids	[11]
<i>G. kaustophilus</i>	MY	10 g L <sup>-1</sup> maltose	10 g L <sup>-1</sup> yeast extract	[11]
<i>G. thermoglucosidasius</i>	TMLM	10 g L <sup>-1</sup> glucose	1 g L <sup>-1</sup> yeast extract	[37]
<i>G. thermoglucosidasius</i>	USYE	30 g L <sup>-1</sup> glucose or cellobiose	1 g L <sup>-1</sup> yeast extract	[37]

**Table S1. Bionutrient requirements of *Geobacilli*.**

A review of the literature summarising semi-defined media used to grow various species of *Geobacillus*, highlighting the concentration of complex bionutrients added to these media.