

Supplemental Table S6. Culture media for microorganisms used in biodeteriorated culture heritage limestone studies.

	Culture media	References
Fungi	Malt Extract Agar (MEA)	Dias et al 2019 [71]; Trovão et al., 2019 [50]; Mascaro et al., 2021 [70]; Trovão et al., 2020 [69]; Pangallo et al., 2009 [27]; Martin-Sanchez et al., 2013 [8]
	Potato Dextrose Agar (PDA)	Trovão et al., 2019 [50]; Li et al., 2017 [20]; Li et al., 2023 [67]; Savković et al., 2016 [19]; Gholipour-Shahraki & Mohammadi, 2017 [23]; Paiva et al., 2022 [34]; Trovão et al., 2020 [69]; Pangallo et al., 2009 [27]; Balland-Bolou-Bi et al., 2023 [49]
	Oatmeal Agar (OA)	Savković et al., 2016 [19]; Trovão et al, 2022 [61]
	Cook Rose Bengal	Dias et al 2019 [71]
	Rose Bengal Agar Base with streptomycin	Paiva et al., 2023 [54]
	Dichloran-Bengalrot-Chloramphenicol Agar	Savković et al., 2016 [19]; Paiva et al., 2022 [34]; Pangallo et al., 2009 [27]
	Dichloran-Glycerol Agar (DG-18)	Trovão et al., 2019 [50]; Paiva et al., 2022 [34]; Trovão et al., 2020 [69]
	Czapek Yeast Extract Agar (CzA)	Savković et al., 2016 [19]
	Sabourud Dextrose Agar (SDA)	Gholipour-Shahraki & Mohammadi, 2017 [23]
	Malt Extract Agar supplemented with 10% NaCl (w/v) (MEA 10%)	Paiva et al., 2022 [34]
	Deveze-Bruni medium (to test CaCO ₃ dissolution)	Ahmed & Mohamed, 2022 [29]
	Czapek medium	Paiva et al., 2022 [34]; Ponizovskaya et al., 2019 [68]; Paiva et al., 2023 [54]
	Melin Norkans Agar	Balland-Bolou-Bi et al., 2023 [49]
	Halobacteria medium with 10% NaCl (w/v) (HM 10%)	Paiva et al., 2022 [34]; Trovão et al., 2020 [69]
	BG11 (liquid medium)	Miller et al., 2008 [63]
	B4 medium, modified	Li et al., 2018 [21]
	Starch Czapek medium	Ponizovskaya et al., 2019 [68]
Bacteria	Nutrient Agar (NA)	Dias et al., 2019 [71]; ElBaghdady et al., 2019 [3]

		Chuine et al, 2021 [7]; Skipper et al., 2022 [56]
	Inorganic Salt Starch Agar	ElBaghdady et al., 2019 [3]
	Glycerol Asparagine Agar	ElBaghdady et al., 2019 [3]
	Soybean Meal Agar	ElBaghdady et al., 2019 [3]
	Deveze-Bruni Medium (for CaCO ₃ dissolution)	Ahmed and Mohamed, 2022 [29]
	Lisogeny broth (LB) medium	Li et al., 2017 [20]; Li et al., 2023 [67], Balland-Bolou-Bi et al., 2023 [49]
	Lisogeny broth (LB) medium with 50 mg/mL ampicillin	Mihajlovski et al., 2017 [68]
	Trypticase Soy Agar (TSA)	Tescari et al., 2018 [4]
	TSA supplemented with NaCl (3%, w/v) and MgSO ₄ ·7H ₂ O (2%, w/v)	Tescari et al., 2018 [4]
	TSA supplemented with NaCl (15%, w/v) and MgSO ₄ ·7H ₂ O (2%, w/v)	Tescari et al., 2018 [4]
	TSA supplemented with 50 mg·L ⁻¹ cycloheximide	Tescari et al., 2018 [4]
	Liquid BG-11 medium	Miller et al., 2008 [63]; Miller et al., 2009 [64]
	BRII medium with 0.05% cycloheximide	Rizk et al., 2023 [30]
	Brain Heart Infusion medium (BHI)	Pangallo et al., 2009 [29]
	Casein Mineral medium (CM)	Pangallo et al., 2009 [29]
	Leudemann medium (LM)	Pangallo et al., 2009 [29]
	Reasoner's 2A agar (R2A)	Balland-Bolou-Bi et al., 2023 [49]; Lepinay et al., 2018 [37]
Cyanobacteria	Lisogeny broth (LB) medium containing 50 mg/mL ampicillin	Mihajlovski et al., 2017 [68]
	BG11(-N)	Soares et al., 2021 [60]
	BG-11 medium	Soares et al., 2019 [72]; Soares et al., 2021 [60]; Mascaro et al, 2021 [70], Miller et al., 2009 [64]
	Modified Knop's Medium	Crispim et al., 2006 [14]
Algae	Z Medium	Kirchhof et al., 2018 [22]

	Bold Basal Medium with 3-fold Nitrogen and Vitamins; modified (3N-BBM+V)	Kirchhof et al., 2018 [22]
	BG-11 medium	Soares et al., 2019 [72]; Soares et al. [60], 2021; Miller et al., 2008 [63]
	BG-11(-N)	Soares et al., 2021 [60]
Archaea	Halobacteria Medium (DSMZ media 372)	Tescari et al., 2018 [4]
	artificial salt water (18%, wt/vol)	Tescari et al., 2018 [4]