

Table S1. Search strategy used in Scielo.

Search strategy	
# 1	Microbial viability OR Antibacterial OR Antimicrobial OR peptide antibacterial OR Antibacterial activity OR Anti-Infective Agents OR Anti Infective Agents OR Antiinfective Agents OR Microbicides OR Antimicrobial Agents OR Anti-Microbial Agents OR Anti Microbial Agents OR anti-Bacterial Agents OR Anti Bacterial Agents OR Antibacterial Agents OR Biofilm OR Bacterial
# 2	Universal adhesives OR Universal adhesive OR Universal simplified adhesive systems OR Universal Dental Adhesives OR Multipurpose adhesives OR multi-purpose adhesives OR multimode adhesives OR multi-mode adhesives OR universal bonding agent
# 3	#1 and #2

Table S2. Search strategy used in ISI Web of Science.

Search strategy	
# 1	Microbial viability OR Antibacterial OR Antimicrobial OR peptide antibacterial OR Antibacterial activity OR Anti-Infective Agents OR Anti Infective Agents OR Antiinfective Agents OR Microbicides OR Antimicrobial Agents OR Anti-Microbial Agents OR Anti Microbial Agents OR anti-Bacterial Agents OR Anti Bacterial Agents OR Antibacterial Agents OR Biofilm OR Bacterial
# 2	Universal adhesives OR Universal adhesive OR Universal simplified adhesive systems OR Universal Dental Adhesives OR Multipurpose adhesives OR multi-purpose adhesives OR multimode adhesives OR multi-mode adhesives OR universal bonding agent
# 3	#1 and #2

Table S3. Search strategy used in SCOPUS.

Search strategy	
# 1	Microbial viability" OR "Antibacterial" OR "Antimicrobial" OR "peptide antibacterial" OR "Antibacterial activity" OR "Anti-Infective Agents" OR "Anti Infective Agents" OR "Antiinfective Agents" OR "Microbicides" OR "Antimicrobial Agents" OR "Anti-Microbial Agents" OR "Anti Microbial Agents" OR "anti-Bacterial Agents" OR "Anti Bacterial Agents" OR "Antibacterial Agents" OR "Biofilm" OR "Bacterial"
# 2	"universal adhesives" OR "Universal adhesive" OR "Universal simplified adhesive systems" OR "Universal Dental Adhesives" OR "Multipurpose adhesives" OR "multi-purpose adhesives" OR "multimode adhesives" OR "multi-mode adhesives" OR "universal bonding agent"
# 3	#1 and #2

Table S4. Search strategy used in EMBASE.

Search strategy	
# 1	'Microbial viability' OR 'Antibacterial' OR 'Antimicrobial' OR 'peptide antibacterial' OR 'Antibacterial activity' OR 'Anti-Infective Agents' OR 'Anti Infective Agents' OR 'Antiinfective Agents' OR 'Microbicides' OR 'Antimicrobial Agents' OR 'Anti-Microbial Agents' OR 'Anti Microbial Agents' OR 'anti-Bacterial Agents' OR 'Anti Bacterial Agents' OR 'Antibacterial Agents' OR 'Biofilm' OR 'Bacterial'
# 2	'universal adhesives' OR 'Universal adhesive' OR 'Universal simplified adhesive systems' OR 'Universal Dental Adhesives' OR 'Multipurpose adhesives' OR 'multi-purpose adhesives' OR 'multimode adhesives' OR 'multi-mode adhesives' OR 'universal bonding agent'
# 3	#1 and #2

Table S5. Excluded studies

Study	Reason for exclusion
Maryoosh, 2020	The presence of 0 values in Agar diffusion test which cannot be analyzed
Almaroof, 2017	The presence of 0 values in Agar diffusion test which cannot be analyzed, and for dentin push-out bond strength there was not enough study group for comparison
Bosso André, 2017	The presence of 0 values in Agar diffusion test which cannot be analyzed
Boutsiouki, 2019	There was not enough study group for comparison
Brambilla, 2017	There was not enough study group for comparison
Cangul, 2020	The antibacterial agent is not included in the adhesive
Bosso André, 2015	For antibacterial activity, data was not in mean and SD
Peng, 2020	The antibacterial agent is not included in the adhesive
Cha, 2016	For the antibacterial activity, SD could not be obtained. The antibacterial agent is not included in the adhesive
Barros Silva, 2021	Composite disks were used as a bonding substrate
Atalayin, 2018	The presence of 0 values in Agar diffusion test which cannot be analyzed
Zhang, 2020	The antibacterial agent is not included in the adhesive
Kim, 2017	The antibacterial agent is not included in the adhesive