

**Table S1.** Search strategy used in Scielo.

<b>Search strategy</b>	
# 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.

<b>Search strategy</b>	
# 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

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