

Collagen based freeze-dried  
foam-like structure with a  
programmed porous structure

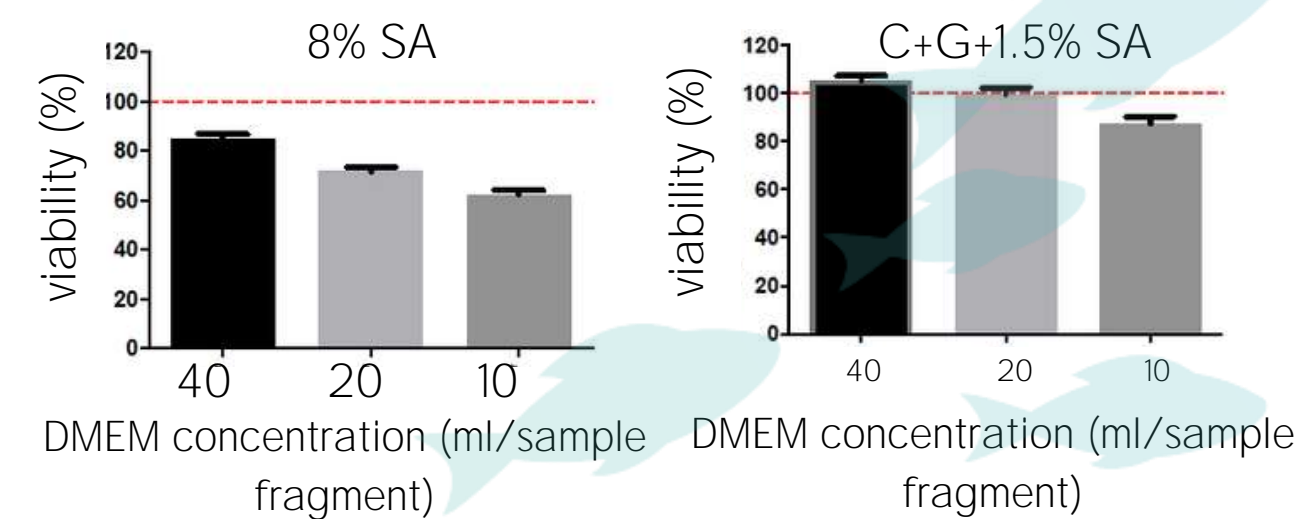
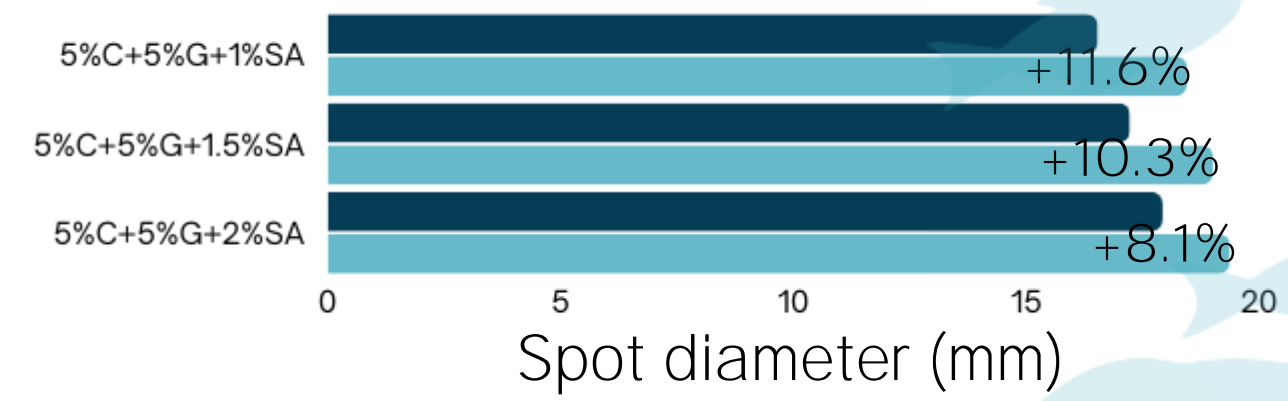
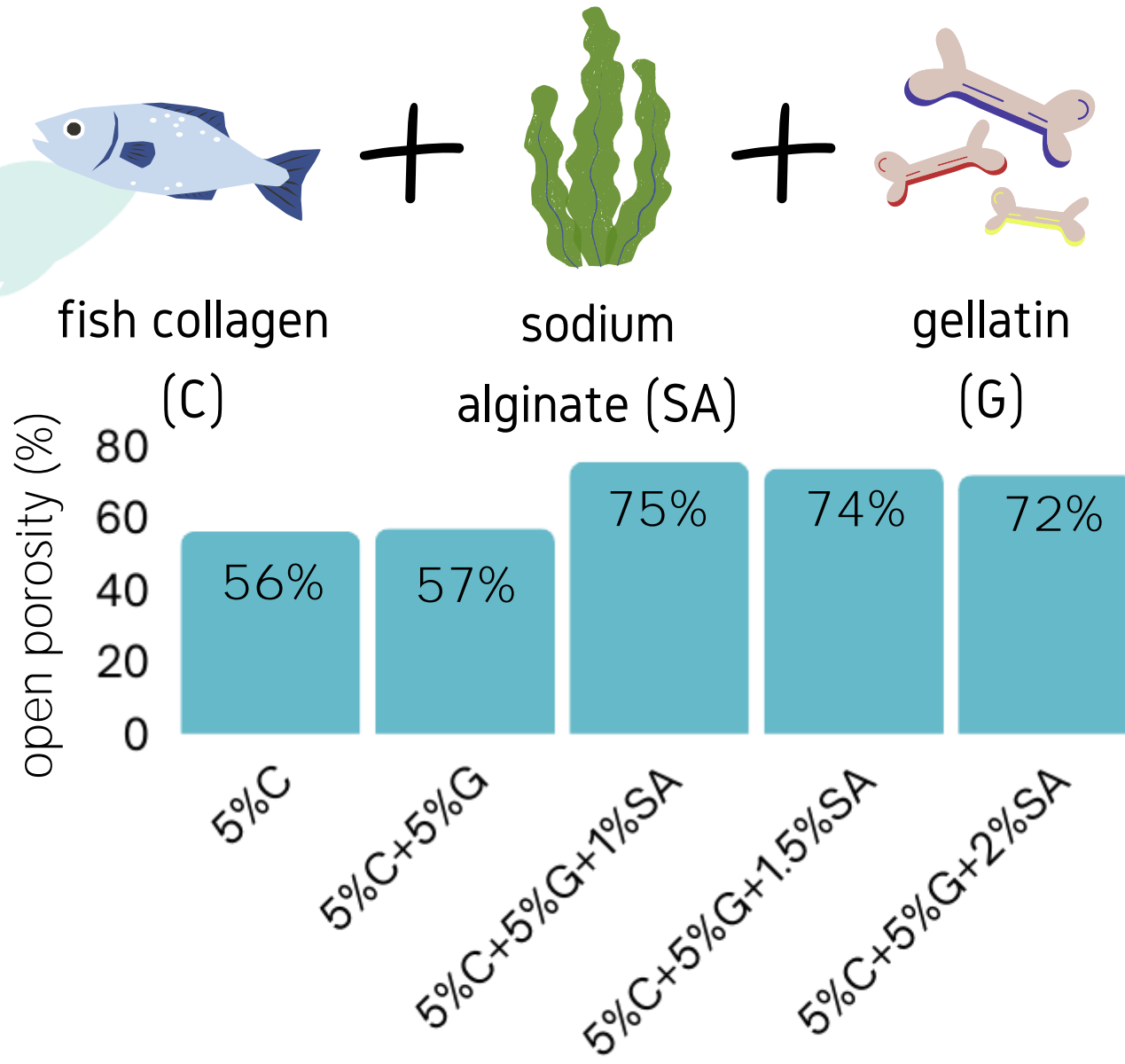
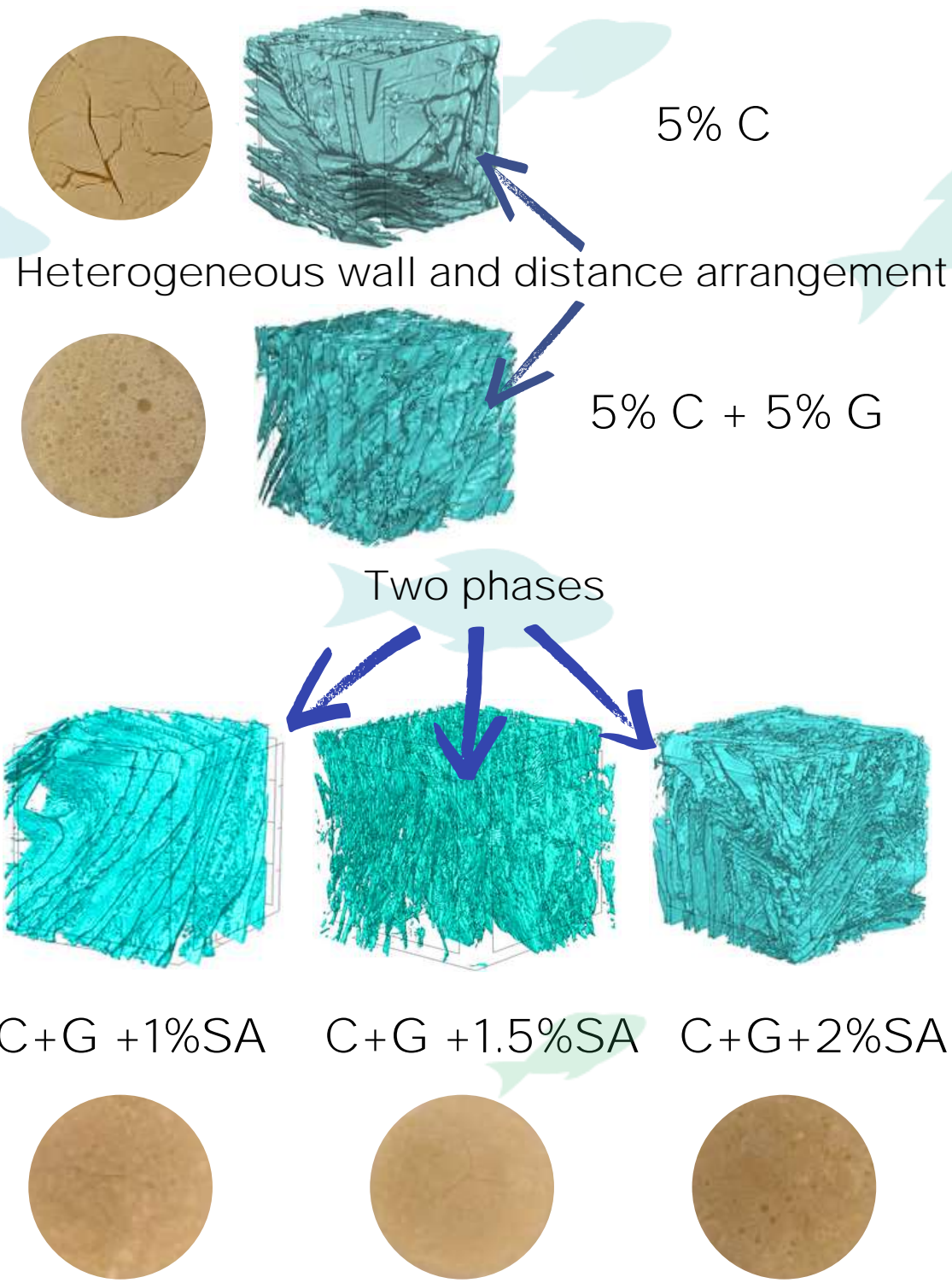
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# Collagen based freeze-dried foam-like structure with a programmed porous structure



The addition of sodium alginate to the collagen and gelatine foams increases the open porosity of the sample. However, as the sodium alginate concentration increases, this parameter decreases slightly. The wettability test also confirms this. Furthermore, the rheological test confirms that an excessive alginate concentration in the solution negatively affects its rheostability. Foams made from collagen, gelatine and sodium alginate provide higher cell viability than foam derived from only sodium alginate.

5% C + 5% G	SA	k	n
	1,5%	27,87	0,470
	2,0%	24,54	0,498
	3,0%	505,67	1,160

