

Table S1: Characteristics of self-inflating bag models tested.

Model (<i>n</i>)	‡Type	Part No	Average Bag Diameter <i>Millimetre (50% of diameter)</i>	Over Pressure relief valve <i>cmH₂O</i>	Weight Range Guide <i>kg</i>	Bag Volume <i>mL</i>
1. Laerdal (10)	SU	845031 The Bag II	71.6 (35.8)	35 +/- 5	2.5 - 12	230
2. Portex (9)	SU	8527MPB 1 st Response	72.7 (36.4)	40 +/- 5	≤ 10	**160
3. Galemed (10)	SU	SHMC 2203WA	69.9 (34.9)	40 +/- 5	< 6.5	280
4. Vital Signs (10)	SU	7902R Baby Blue	76.6 (38.3)	40 +/- 5	≤ 10	**150
5. Laerdal (10)	RU	8560533 Vertical	73.5 (36.8)	35 +/- 5	≤ 10	320
6. Laerdal (10)	RU	850050	70.4 (35.2)	35 +/- 5	≤ 2.5	240
7. Ambu (10)	SU	SPUR II	72.0 (36.0)	40	≤ 10	220
8. Portex (9)	SU	8528M 1 st Response	72.7 (36.4)	40 +/- 5	≤ 10	**160
9. Portex (9)	SU	8527MP 1 st Response	72.7 (36.4)	40 +/- 5	≤ 10	**160
10. Headstar (10)	SU	HP9333FN Resus-EZY	75.9 (37.8)	40 +/- 5	0 - 7	300
11. Besmed (11)	SU	BE-1703	72.0 (36.0)	40 +/- 5	< 7	280
12. Mercury (4)	SU	1055299	72.0 (36.0)	40 +/- 5	< 7	240
13. Hsiner (10)	SU	PH60103	70.5 (35.2)	40	Max 10	280
14. Hsiner (7)	SU	60152	69.4 (34.7)	40	Max 10	280
15. Hsiner (10)	SU	60113-P	69.3 (34.6)	40	Max 10	280
16. Hudson RCI (9)	SU	5364 Lifesaver	70.0 (35.0)	40 +/- 5	<2.3 - <5	300
17. Besmed (10)	SU	BE-2701	69.3 (34.6)	40 +/- 5	< 7	280
18. Hsiner (5)	SU	60113	70.0 (35.0)	40	Max 10	280
19. Zeal (5)	RU	RSB 1001	68.2 (34.1)	40	Not stated	250
20. Meditrin (5)	RU	Infant 250mL	70.3 (35.2)	40	Low Birth Weight to Full Term	250

Legend

** Maximum stroke volume specified

‡ RU: Reusable, SU: Single Use