

Inhalational Anesthetics

Property	Sevoflurane	Desflurane	Isoflurane	Enflurane	Halothane	N ₂ O
Boiling point °C	59	24	49	57	50	-88
Vapor pressure at 20°C	157	669	238	172	243	38,770
Molecular weight	200	168	184	184	197	44
Oil : Gas partition coefficient	47	19	91	97	224	1.4
Blood : Gas partition coefficient	0.65	0.42	1.46	1.9	2.50	0.46
MAC in O ₂ 30-60yrs at 37°C	1.8	6.6	1.17	1.63	0.75	104
MAC in 60-70% N ₂ O	0.66	2.38	0.56	0.57	0.29	--
MAC in >65yrs	1.45	5.17	1.0	1.55	0.64	--
Preservative	No	No	No	No	Thymol	No
Stable in moist CO ₂ cannister?	No	Yes	Yes	Yes	No	Yes
Metabolism	2-5%	0.02%	0.2%	2.4%	20%	--

Adapted from Barash page 439