

Table 1. Greenhouse gas carbon emissions of acetaminophen used in New York, London, and Brisbane (in gCO₂e, adopted from Supplementary file 2 – Davis, 2024)

Location of dose; Brisbane, Australia	Pharmaceutics	Packaging & disposal	Sterilisation	Transport	Administration equipment + disposal	Total
Oral tablet	36.5	0.3	0.0	0.0	1.6	36.8*
Enteral Liquid	36.5	85.9	0.0	0.0	28.7	151.1*
IV FK Glass	40.5	427.5	33.5	25.9	87.2	614.6^
IV FK Freeflex	40.5	142.7	6.3	7.8	87.2	284.4
IV B-Braun	40.5	197.4	13.8	2.3	87.2	341.2
IV Ofirmez	40.5	473.9	37.1	28.6	87.2	667.3^
Location of dose; London, UK	Pharmaceutics	Packaging & disposal	Sterilisation	Transport	Administration equipment + disposal	Total
Oral tablet	36.5	0.1	0.0	0.0	1.6	38.2*
Enteral Liquid	36.5	85.9	0.0	0.0	28.7	151.1*
IV FK Glass	40.5	427.5	33.5	10.1	85.4	597.0^
IV FK Freeflex	40.5	142.7	6.3	3.1	85.4	278.0
IV B-Braun	40.5	197.4	13.8	0.3	85.4	337.4
IV Ofirmez	40.5	473.9	37.1	10.2	85.4	647.1^
Location of dose; New York, USA	Pharmaceutics	Packaging & disposal	Sterilisation	Transport	Administration equipment + disposal	Total
Oral tablet	36.5	0.3	0.0	0.0	1.6	38.4*
Enteral Liquid	36.5	85.9	0.0	0.0	28.7	151.1*
IV FK Glass	40.5	427.5	33.5	14.3	85.9	601.7^
IV FK Freeflex	40.5	142.7	6.3	4.3	85.9	279.7
IV B-Braun	40.5	197.4	13.8	2.3	85.9	339.9
IV Ofirmez	40.5	473.9	37.1	6.2	85.9	643.6^

** lowest total amount of greenhouse gas carbon emissions*

^ highest total amount of greenhouse gas carbon emissions