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Table H1 Methods of humane killing and euthanasia in rats and mice

Recommended	Acceptable with reservations	Not acceptable
Chemical		
<ul style="list-style-type: none"> Inhalant: <ul style="list-style-type: none"> – carbon dioxide^e Injectable: <ul style="list-style-type: none"> – pentobarbitone sodium IP 	<ul style="list-style-type: none"> Inhalant: <ul style="list-style-type: none"> – isoflurane^{bde} 	<ul style="list-style-type: none"> Inhalants: <ul style="list-style-type: none"> – ether^{bc} – hydrogen cyanide^{bf} – carbon monoxide^b – nitrogen^f – chloroform^b
Physical		
<ul style="list-style-type: none"> None recommended 	<ul style="list-style-type: none"> Cervical dislocation^a (acceptable if stunned or anaesthetised first; possibly inhumane in animals heavier than 150 g) Decapitation^{aef} Stunning and exsanguination^{af} 	<ul style="list-style-type: none"> Microwave irradiation (not yet proven to be humane)^{ce} Decompression^{ef} Asphyxia^{cef} Rapid freezing^{ce}

IP = intraperitoneal

^a Training required^c Inhumane^e Requires specialised equipment^b Occupational health and safety issues^d Expensive^f Aesthetically unpleasant**Table H2 Methods of humane killing and euthanasia in guinea pigs**

Recommended	Acceptable with reservations	Not acceptable
Chemical		
<ul style="list-style-type: none"> Inhalant: <ul style="list-style-type: none"> – carbon dioxide^e Injectable: <ul style="list-style-type: none"> – pentobarbitone sodium IP 	<ul style="list-style-type: none"> Inhalant: <ul style="list-style-type: none"> – isoflurane^{bde} – nitrous oxide (must be used with other inhalants)^b 	<ul style="list-style-type: none"> Inhalant: <ul style="list-style-type: none"> – ether^{bc} – hydrogen cyanide^{bef} – carbon monoxide^b – chloroform^b Injectable: <ul style="list-style-type: none"> – no IV agents are acceptable
Physical		
<ul style="list-style-type: none"> None recommended 	<ul style="list-style-type: none"> Stunning plus exsanguination^{af} Cervical dislocation^a 	

IP = intraperitoneal; IV = intravenous

^a Training required^c Inhumane^e Requires specialised equipment^b Occupational health and safety issues^d Expensive^f Aesthetically unpleasant