



	Weight	Datum: electrosurgery machine	Removable, non- rechargeable batteries; copper prongs	Attachment to an AC source; copper prongs	Aluminum foil probes; externally rechargeable batteries (cell phone-inspired model)	Copper probes; externally rechargeable batteries (cell phone-inspired model)	Mechanically rechargeable battery, copper prongs	
Safety	2	0	++	++	++	++	++	
Cost	1	0	-	+	++	+	0	
Reliability	1.5	0	0	0	-	0	--	
Portability	1.5	0	++	0	++	++	++	
Maintenance	1	0	-	0	++	+	-	
Local manufacturing	1	0	+	0	+	+	+	
<b>Total</b>		<b>0</b>	<b>6</b>	<b>5</b>	<b>10.5</b>	<b>10</b>	<b>4</b>	
	Weight	Solar- powered electrocautery	Butane powered (or other type of fuel) electrocautery	Coaxial prongs: copper inner, aluminum outer; externally rechargeable batteries	Ball point tip with conducting fluid as probe; externally rechargeable batteries	Laser cautery (modified laser pointer)	Chemical cautery (in ballpoint pen style)	Heating a metal prod over a fire
Safety	2	++	-	++	++	+	0	--
Cost	1	--	-	+	0	+	-	--
Reliability	1.5	-	0	0	0	0	0	--
Portability	1.5	--	++	++	++	++	0	+
Maintenance	1	0	+	0	0	+	--	+
Local manufacturing	1	-	-	-	+	-	-	++
<b>Total</b>		<b>-3.5</b>	<b>0</b>	<b>7</b>	<b>8</b>	<b>6</b>	<b>-4</b>	<b>-4.5</b>

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