

U. K. Intra-operative Cell Salvage Action Group
Intraoperative cell salvage devices: manufacturers' questionnaire

Please complete sections 1 and 2 for each machine type

Section 1: Machine		<i>Additional comments</i>
Name of device/manufacture	Haemonetics Ltd CardioPAT	Designed for Cardiac surgeries, intra and post-op cell salvage and blood management of ICU Cardiac patient
Recommended anticoagulant (Name/volume/weight) & rate of administration	As before	
Speed of processing (ml/min):	Standard:	2litres/hour
	Emergency (fastest):	Not applicable
Minimum process volume (ml)	235 mls For automatic process	Volume in reservoir can be processed sooner if "process until empty"
Standard wash volume (ml saline/ml blood)	variable	Disk technology is different concept from other processes.
Average Hct of product	75%	
Standard washing efficiency (% clearance of anticoagulant + evidence)	98%	
Integral vacuum pump	YES:Post-op mode only	Intra-op mode, Harmony Suction Device is attached to base of machine as separate device
Automatic recognition of bowl size	Y/N	Not applicable
Data management system	Y/N	No
Clinical use	Recommended for:	Cardiac, paediatric, operations where blood loss is less then 2 litres per hour.also consideration for spinal surgeries where chest drains required.
	Caution in:	Malignancy-cardiac

Section 2: Disposables		<i>Additional comments</i>
Basic components:	Method of sterilisation	Ethylene Dioxide
	shelf-life	5 years
Available via central purchasing authorities	NO	
<u>Suction assembly:</u> packaged separately: Minimum purchase (units per case)	Yes 10	Harmony Suction Lines also packaged in 10
<u>Reservoir:</u> volume (ml) filter pore size (µm) packaged separately: Minimum purchase (units per case)		Cardiopat reservoir is part of the processing kit. Clinical trials in place to separate reservoir from processing kit.
<u>Processing set:</u> Disk Processing volume packaged separately: Minimum purchase (units per case)	100mls No 6	Cardiopat designed to process small volumes (requires minimum 15 mls red cells to process blood)
<u>Other components available:</u> Varied bowl sizes (please list)	NO	
ACD-A solution shelf-life: Minimum purchase (units per case):	Yes 2 years 10	750mls bags
Additional reinfusion bags Minimum purchase (units per case):	Yes 40	40 micron reinfusion bags to be available for UK customers who have policy to use 40 micron filter for AT red cell reinfusion
Y-connectors Minimum purchase (units per case):	Not applicable	
QC sampling kit Minimum purchase (units per case):	No	QC methodology provided in manual
Other (specify): Minimum purchase (units per case):	Waste Bags 40	

Section 3: Customer Service		<i>Additional comments</i>
Machine purchase options: lease purchase available(please describe)	<ul style="list-style-type: none"> • Capital sale • Rental • Use Plan 	<p>Title/ownership of the machine is passed to Trust</p> <p>A monthly rental is charged (can include service) Title remains with Haemonetics A surcharge is added to disposable to cover costs for machine depreciation and service (if required)</p>
Machine trials:	Yes	<i>As per requirement of the Trust and agreed between Haemonetics and relevant hospital management</i>
Helpline access/prompt response	No	<i>Office hours response for Customer Service queries Technical and sales support extended to outside office hours</i>
Training & educational support	Yes	<i>Training support provided to hospital as per contract agreement and dependant on needs of that Trust/department</i>
Maintenance contracts	Yes	<p><i>Level 1- 48 hour call out, replacement of all parts, annual service</i> <i>Level2- annual service, 48 hour call out, parts to be paid by customer</i> <i>Level3- annual service, all other costs chargeable</i> <i>No contract-all calls outs and services chargeable</i></p>
How many UK based engineers do you have?	3	These are dedicated to Cell Saver / hospital Service and call outs only and not other medical devices
What is your average response time to call outs?	48 hours	
Are software upgrades freely available?	Yes	
Can disposables be ordered by a call-off order?	Yes	
How quickly can disposables be shipped?	Same day	Mostly overnight but within 48 hours to UK customers.Uk warehouse based in Banbury, Oxford.
Do you provide a cell salvage service for one-off cases?	Yes	<p>Our preference is to utilise a Cell Salvage Service provider for all one off cases as they have more flexibility to attend on the days specified by the hospital (requests are usually made with short notice).</p> <p>Two companies in UK are: Blood Savers Ltd and Haemoclaim</p>