

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

**Please complete sections 1 and 2 for each machine type**

<b>Section 1: Machine</b>		<i>Additional comments</i>
Name of device/manufacture	C.A.T.S. Fresenius Kabi	Continuous AutoTransfusion System
Recommended anticoagulant (Name/volume/weight) & rate of administration	Heparin  ACD-A	Heparin 30,000 IU / 1,000ml 0.9% Normal Saline delivered at a rate of 20ml per 100ml of blood ACD-A delivered at a rate of 15 ml per 100ml of blood
Speed of processing (ml/min):	Standard: 35ml	Processed Red Cells continuously produced at 35ml per minute without interruptions
	Emergency (fastest): 100ml	Processed Red Cells continuously produced at 100ml per minute without interruptions
Minimum process volume (ml)	15 to 30ml	Low Volume Programme
Standard wash volume (ml saline/ml blood)	Ratio ranges from 7:1 to 1:1	Ratio is dependent on the programme selected by the machine operator
Average Hct of product	Constant 65%	Independent of haematocrit of shed blood and processing speed
Standard washing efficiency (% clearance of anticoagulant + evidence)	95%	G Florio et al "The International Journal of Artificial Organs" Vol. 19 / no. 7 1996 / pp. 431-434
Integral vacuum pump	Yes	Available as an optional extra
Automatic recognition of bowl size	Not Applicable	The same disposable is used for all procedures
Data management system	Yes	
Clinical use	Recommended for:	Cardiac / Vascular, Orthopaedic, Transplant and other cases where blood can be salvaged for processing and reinfusion
	Caution in:	Relative contraindication in sepsis, malignancy, presence of amniotic fluid. Also if contaminated with agents not suitable for reinfusion.

<b>Section 2: Disposables</b>		<i>Additional comments</i>
Basic components:	Method of sterilisation	Ethylene Oxide
	shelf-life	Three Years
Available via central purchasing authorities	No	<i>(please provide details for different UK countries)</i>
<b><u>Suction assembly:</u></b> packaged separately: Minimum purchase (units per case)	Yes 8	
<b><u>Reservoir:</u></b> volume (ml) filter pore size (µm) packaged separately: Minimum purchase (units per case)	3 Litres 120µm or 40µm Yes 8	Standard use:120µm. 40µm for some paediatric cases
<b><u>Processing set:</u></b> Bowl/Belt: standard bowl size packaged separately: Minimum purchase (units per case)	One standard size washing chamber Yes 8	Operating speed is set by selecting the appropriate programme for the procedure
Other components available: Varied bowl sizes (please list)	Not applicable	The same washing chamber is used for all procedures.
ACD-A solution shelf-life: Minimum purchase (units per case):	No ..... .....	
Additional reinfusion bags Minimum purchase (units per case):	Yes 20	
Y-connectors Minimum purchase (units per case):	Yes 8	
QC sampling kit Minimum purchase (units per case):	No .....	
Other (specify): Minimum purchase (units per case):	Post Op Set 8	

<b>Section 3: Customer Service</b>		<i>Additional comments</i>
Machine purchase options: lease purchase available(please describe)	Yes	Please contact Fresenius Kabi for details
Machine trials:	Yes	Please contact Fresenius Kabi for details
Helpline access/prompt response	Yes	Telephone: 0845 054 0612
Training & educational support	Yes	On site and off site options available. Please contact Fresenius Kabi for details
Maintenance contracts	Yes	Please contact Gamidor Technical Services on 0845 054 0616
How many UK based engineers do you have?	9	
What is your average response time to call outs?	24-48 Hours	
Are software upgrades freely available?	Yes	
Can disposables be ordered by a call-off order?	Yes	
How quickly can disposables be shipped?	Next day	For orders received before 12 noon disposables are usually shipped the same day
Do you provide a cell salvage service for one-off cases?	No	