Table 4

Blood flow and inter-method error:
non-ischemic and ischemic myocardium

	Non ischemic (n=90)				Ischemic (n=78)			
	$\bar{Q}$ (ml/min/g)			endo/epi	$\bar{Q}$ (ml/min/g)			endo/epi
	epi	meso	endo		epi	meso	endo	
RM	1.12±0.35	1.30±0.22	1.48±0.21	1.38±0.31	0.90±0.60	0.56±0.50	0.38±0.32	0.44±0.26
FM	1.13±0.30	1.35±0.18	1.42±0.17	1.36±0.31	0.89±0.55	0.58±0.45	0.41±0.30	0.44±0.22

	offset	variation	offset	variation
Err_{abs} (ml/min/samp)	0.02±0.06	0.15±0.07	0.00±0.04	0.07±0.04
Err_{rel} (%)	0.32±2.58	8.25±3.51	-4.46±10.31	16.16±15.57

Blood flow ($\bar{Q}$), assessed with microspheres labeled with two radioactive labels (RM) or with two fluorescent labels (FM), in epicardial (epi), mesocardial (meso) and endocardial (endo) layers of non-ischaemic and ischemic myocardium. Blood flow values in $ml \cdot min^{-1} \cdot g^{-1}$ ± SD, endo/epi = the ratio of endocardial and epicardial blood flow.
Absolute (Err_{abs}) and relative (Err_{rel}) inter-method error. Systemic differences and random errors between blood flow assessed with RM and FM are represented by offset and variation, respectively. Pooled data from all myocardial samples (except the flow values obtained from blue microspheres in experiment 3).

Table 5 **Time and costs of the Sedimentation, Filtration and Sucrose-cushion methods**

	Sedimentation (A)		Filtration (B)		Sucrose-cushion (C)	
Processing-step	Time (min)	costs (US$)	time (min)	costs (US$)	time (min)	costs (US$)
Isolation	2.9	0.05	6.9	0.45	>3	0.05
Other	2.0	0.01	2.0	0.01	2.0	5.72
Fluorescence	1.1	0.11	1.1	0.06	**4.5 / *15	-
Total	**6.0**	**0.17**	**10**	**0.52**	**9.5 / 20**	**5.77**

Estimation of time and costs to process a sample (calculated as 1/50 of the time or cost for a series of 50 samples), the 'Sedimentation' technique (this paper) is compared with the 'Filtration' (Glenny et al. [7]) and the 'Sucrose-cushion' technique (Austin et al.[2]). Isolation= sedimentation in centrifuge (A,C) or vacuum filtration (B); Other= numbering of tubes, weighing of samples and preparing chemicals; Fluorescence= determination of fluorescence by spectrophotometry (A,B) or *manual counting with fluorescence microscopy or **FACS analyzer (C). Costs were related to the costs of tubes (5 times re-usable) (A,B,C) and filters (B) for 'Isolation', to chemicals: KOH (A,B) or proteinase / collagenase (Sigma)(C) for 'Other' and to 2-(2-ethoxy) ethyl acetate (Aldrich) (A,B) for 'Fluorescence'. Costs of laboratory personal or apparatus were not included. Time was not always subdivided into categories by the authors, in (B) a total time and time for fluorescence was given, in (C) only an estimation of time for fluorescence. We estimated that time for 'other' would not differ for different methods (2 min) and isolation in (3) would at least take 3 min.