Fig. 2.1 Elution profile of Sch B (racemic mixture)
Fig. 2.3  Schematic representation of the non-recirculating Langendorff perfused rat heart model
Non-IR Hearts:

**Group 1**
60 min perfusion

- 30-min equilibration
- 40-min perfusion
- 20-min perfusion

**Group 2**
80 min perfusion

- 30-min equilibration
- 40-min perfusion
- 40-min perfusion

IR Hearts:

**Group 3**
20-I, 20-R

- 30-min equilibration
- 20-min ischemia
- 20-min reperfusion

**Group 4**
20-I, 40-R

- 30-min equilibration
- 20-min ischemia
- 40-min reperfusion

**Group 5**
40-I, 20-R

- 30-min equilibration
- 40-min ischemia
- 20-min reperfusion

**Group 6**
40-I, 40-R

- 30-min equilibration
- 40-min ischemia
- 40-min reperfusion

Fig. 2.4  Experimental protocols
Fig. 2.5 Measurement of ischemia-reperfusion (IR)-induced LDH leakage in isolated perfused rat hearts
Fig. 2.6 Estimation of contractile force recovery

Contractile Force Recovery (%) = $H_{rep} / H_{equ} \times 100$
Fig. 2.7  Elution profile of 1-fluoro-2, 4-dinitrobenzene derivatives of thiols
Fig. 3.1 Extent of LDH leakage upon increasing periods of ischemia and reperfusion