

CALIBRATION OF FLOW RATES

The first step in IVF is to obtain quality oocytes. Calibrating the correct flow rate is the key to retrieving the maximum number of oocytes in optimal condition. The rate of flow through an aspiration needle and tubing is dependent upon the inner diameter of the needle, total length of the system and vacuum pressure according to Poiseuille's law. To ensure an optimal recovery rate with minimal damage to the oocyte-cumulus complex and zona pellucida, flow rates of 20-25 mL/min are recommended. Calibration can be checked by aspirating water through the aspiration needle and adjusting the vacuum pressure to give the correct flow rate.

Use of a constant vacuum such as that provided by the Cook Aspiration Unit™ is recommended.

A hydrophobic filter is essential to prevent liquid contamination of the aspiration unit. These filters should be changed between cases.

Global Product Number	Order Number	Description
G49275	K-MAR-5200-US	Includes Cook Aspiration Unit, connecting tube with hydrophobic filter and foot pedal actuator.



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