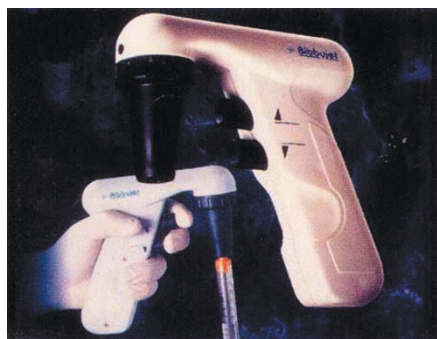


LIQUID HANDLING

**Programmable pipettes**

The new range of pipettors from INTEGRA Biosciences (Wallisellen, Switzerland) can carry out up to 40 pipetting steps in quick succession with selectable operating speeds for aspiration, dispensing, and mixing functions. The memory capacity is up to 6 programs of 40 steps. The pipettors have an EASY CAL function for rapid calibration, extra long-life batteries and corrosion-proof polyethyl ethylketone (PEEK) housings.

Tel: +41 64 04 80 90
Fax: +41 64 04 58 65
RSN: 957

**Peristaltic pump**

The REGLO-Digital programmable pump from Ismatec (Zürich, Switzerland) is a multichannel peristaltic pump, available with 2 or 4 channels, both with 6 or 8 self-lubricating pump rollers. These 4 models cover a flow-rate range from 0.002 to 59.2 ml/min. Microprocessor-control includes 27 preprogrammed tubing diameters for flow-rate and dispensing volume calibration, with 4-digit display and pause control for interval dispensing.

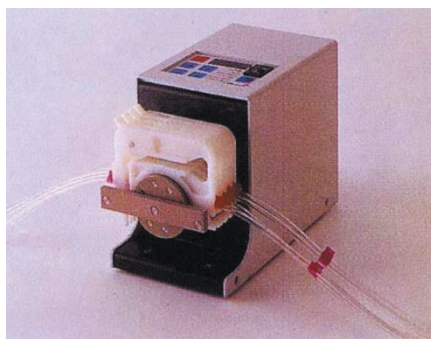
Tel: +41 1 810 30 40
Fax: +41 1 810 52 92
RSN: 958

Capillary micropipettes

Drummond Scientific's (Broomall, PA) Microcap micropipettes transfer liquids in micro quantities with an accuracy to within $\pm 1\%$. Capillary action draws the fluid into the tube, and a squeeze of the bulb disperses

it. Disposable microcaps are precision-bore glass capillary tubes cut to predetermined lengths that provide end-to-end fill volumes that are constant and precise. Capacities range from 0.1–200 μl , and lengths from 16–127 mm.

Tel: +1 800 523 7480
Fax: +1 610 353 6204
RSN: 959

**Pipette controller**

Bibby Sterilin's (Stone, UK) Bibbyjet pipette controller has two buttons for filling and delivery, where greater applied pressure increases the rate of operation and is powerful enough to fill a 50-ml pipette in 10 seconds. The design includes a venting system to discharge air sucked from the pipette through the front of the controller to avoid corrosion of the internal mechanism, and a safety valve to protect against contamination.

Tel: +44 1785 812 121
Fax: +44 1785 815 066
RSN: 960

**Portable fluid-handling systems**

Custom-portable, skid-mounted, and cabinet-type, fluid-handling systems designed for processing, fermentation, mixing, filtering or transferring product are available from Alloy Products (Waukesha, WI). They

can incorporate any configuration of electropolished, stainless-steel, sanitary pressure vessels, valves or fittings, as well as electrical controls, pumps, pneumatics, agitators, sight glasses, level controls, and other accessories.

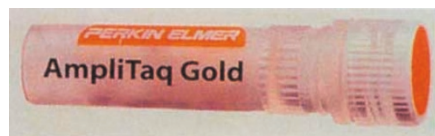
Tel: +1 414 542 6603
Fax: +1 414 542 5421
RSN: 961

ENZYMES & REAGENTS

Collagenase sampling

CellSystems (Remagen, Germany) offers a free collagenase sampling program, which provides researchers with 100-mg samples of up to 3 different collagenase lots for evaluation in the researchers' own cell isolation system within 60 days. A minimum of 3 g of each collagenase lot is reserved in each participant's name, and once the most suitable collagenase lot has been identified, the participant purchases a minimum of 3 g.

Tel: +49 22 28 80 57
Fax: +49 22 28 85 55
RSN: 962

**DNA polymerase**

AmpliAq Gold enzyme from PE Applied Biosystems (Foster City, CA) is the first thermostable DNA polymerase that features Hot Start PCR—higher specificity, higher sensitivity, increased yield, and decreased background—without its conventional limitations, expense, and additional steps, improving results in any PCR application. It is provided in an inactive state and is packaged with GeneAmp PCR Buffer. Complete reaction premixes can be made in advance and pipetted easily into reaction tubes or 96-well plates. The enzyme may also be activated slowly during thermal cycling.

Tel: +1 800 345 5224
Fax: +1 415 572 2743
RSN: 963

Enzyme carrier

The carrier material EUPERGIT C for enzyme immobilization from Röhm (Darmstadt, Germany) incorporates oxirane groups for stable covalent binding. The carrier has a narrow particle size distribution and high mechanical stability and is not activated by toxic reagents. EUPERGIT C is also offered in a highly porous variant suitable for binding high molecular weight enzymes.

Tel: +49 61 51 18 01
Fax: +49 61 51 18 02
RSN: 964