



# gives you the 3 most reliable Aspiration Pumps for IVF...

Pioneer IVF has provided the most reliable Pro-Pump series available in IVF, the single vacuum, the dual vacuum and the TriVac model. Pioneer Pro-Pumps are used in a majority of IVF laboratories worldwide and are available in both 115V and 230V.



### Single Vac Pioneer Pro-Pump

This standard aspiration pump is a powerful, durable Pioneer Pro-Pump operated with a **single** foot pedal. A fully adjustable vacuum control knob provides an even vacuum flow from 0-450 mmHg. Switch to **'high'** with the push of a button on the front panel.

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|------------------------|----------------|
| Pro-Pump Single (115V) | ..GPPS-010/115 |
| Pro-Pump Single (230V) | ..GPPS-010/230 |
| Accessory Kit          | .....GPPK-075  |

### Dual Vac Pioneer Pro-Pump

The dual vacuum model lets you set a **'low'** vacuum level and switch to a **'high'** vacuum level simply by pressing the foot pedal. A fully adjustable vacuum control knob provides an even vacuum flow from 0-450 mmHg.

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|----------------------|-------------------|
| Pro-Pump Dual (115V) | .....GPPD-050/115 |
| Pro-Pump Dual (230V) | .....GPPD-050/230 |
| Accessory Kit        | .....GPPK-075     |



### TriVac Pro-Pump

The TriVac lets you set a **Level 1, Safe 'low' level** and a second **Level 2, Safe 'mid' range** which is activated by the foot pedal. It lets you set **Level 1** at a very safe 40-80 mmHg vacuum and switch to **Level 2** at 80-100 mmHg vacuum with your foot pedal. It gives you a **Level 3 'high'** vacuum with the push of a button on the front panel.

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|-----------------------|-------------------|
| Pioneer TriVac (115V) | .....PTPP-010/115 |
| Pioneer TriVac (230V) | .....PTPP-010/230 |
| Accessory Kit         | .....PTAK-010     |

Patent Pending

Pioneer Pro-Pumps are the most reliable aspiration pumps used in IVF.

- |                            |                   |                 |                      |
|----------------------------|-------------------|-----------------|----------------------|
| • Quietest in the Industry | • Responsive      | • Steel Housing | • ISO 13485:2003     |
| • Light Weight             | • 5 Year Warranty | • 115V & 230V   | • ISO 9001:2000      |
| • Vacuum 0-300 mmHg        | • Made in USA     | • CE Registered | • FDA 510(k) Cleared |



[www.IVFOonline.com](http://www.IVFOonline.com)

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# Introducing the TriVac for aspiration of oocytes...



The **Pioneer TriVac** gives you added safety during oocyte retrieval. The unique patent pending design allows a **Safe 'Low'** setting at a preset low flow rate, a **Safe preset 'Mid'** setting by applying the foot pedal and a simple acceleration to a **'High'** setting by pushing a button for maximum vacuum.

The use of **2 Safe levels** reduces the likelihood of tearing and damaging the oocyte.

The **Pioneer Tri-Vac** is the only aspiration pump that gives you **3 distinct levels** of aspiration resulting in less oocyte tearing and damage which may result in healthier oocytes and improved results.

## Safe... Safer... Safest...

**Level 1:** Allows you to aspirate at a **'LOW'** safe level of between 40-80 mmHg for retrieval simply by pressing on the foot pedal. Ranges may be set to your preference.

**Level 2:** Allows you to move up to a **'MID'** safe level of between 80-100 mmHg, still in a 'safe' vacuum range simply by pressing on the foot pedal, allowing ease in aspiration and the instant choice of two 'safe' levels of aspiration by the activation of the foot pedal. Ranges may be set to your preference.

**Level 3:** Gives a **'HIGH'** level, or maximum vacuum for aspiration, for clearing the tubing by pressing a button on the front panel.

The ranges are those recommended for aspiration by current practices and have shown to be safer for aspiration if the flow rates are between 50 and 90 mmHg.

As an added feature the TriVac gives you a **large vacuum gauge** which gives you an excellent view of the vacuum level during operation and reads up to **300 mmHg**. A smaller vacuum gauge allows you to view low as well as higher vacuum readings, making it adaptable for many applications. Tests have shown that correct usage of our aspiration units have resulted in a significant improvement in oocyte quality with less tearing and damage and with far more usable oocytes. This aspiration pump, with proven dependability and long life, is a must for your laboratory.

Ordering Information	
TriVac (115V)	.....PTPP-010/115
TriVac (230V)	.....PTPP-010/230
Accessory Kit	.....PTAK-010

- Pioneer Pro-Pumps are the most reliable aspiration pumps used in IVF.
- Quietest in the industry
  - Light Weight
  - Vacuum 0-300 mmHg
  - ISO 13485:2003
  - Patent Pending
  - Responsive
  - 5 Year Warranty
  - Made in USA
  - ISO 9001:2000
  - Steel Housing
  - 115V & 230V
  - CE Registered
  - FDA 510(k) Cleared



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