



ASTUTE
MEDICAL AESTHETICS

**CONTACT US
FOR MORE
INFORMATION**

VISIT OUR WEBSITE

www.astutemedicalaesthetics.com.au

FOR BUSINESS, CONTACT ON

+61 0403 341 991 or,

contact@astutemedicalaesthetics.com.au



Aesthetics

Orthopaedics

Infertility

**WORLD'S ADVANCED
PRP TECHNOLOGY**



ASTUTE
MEDICAL AESTHETICS

**In Partnership
with**



PRP

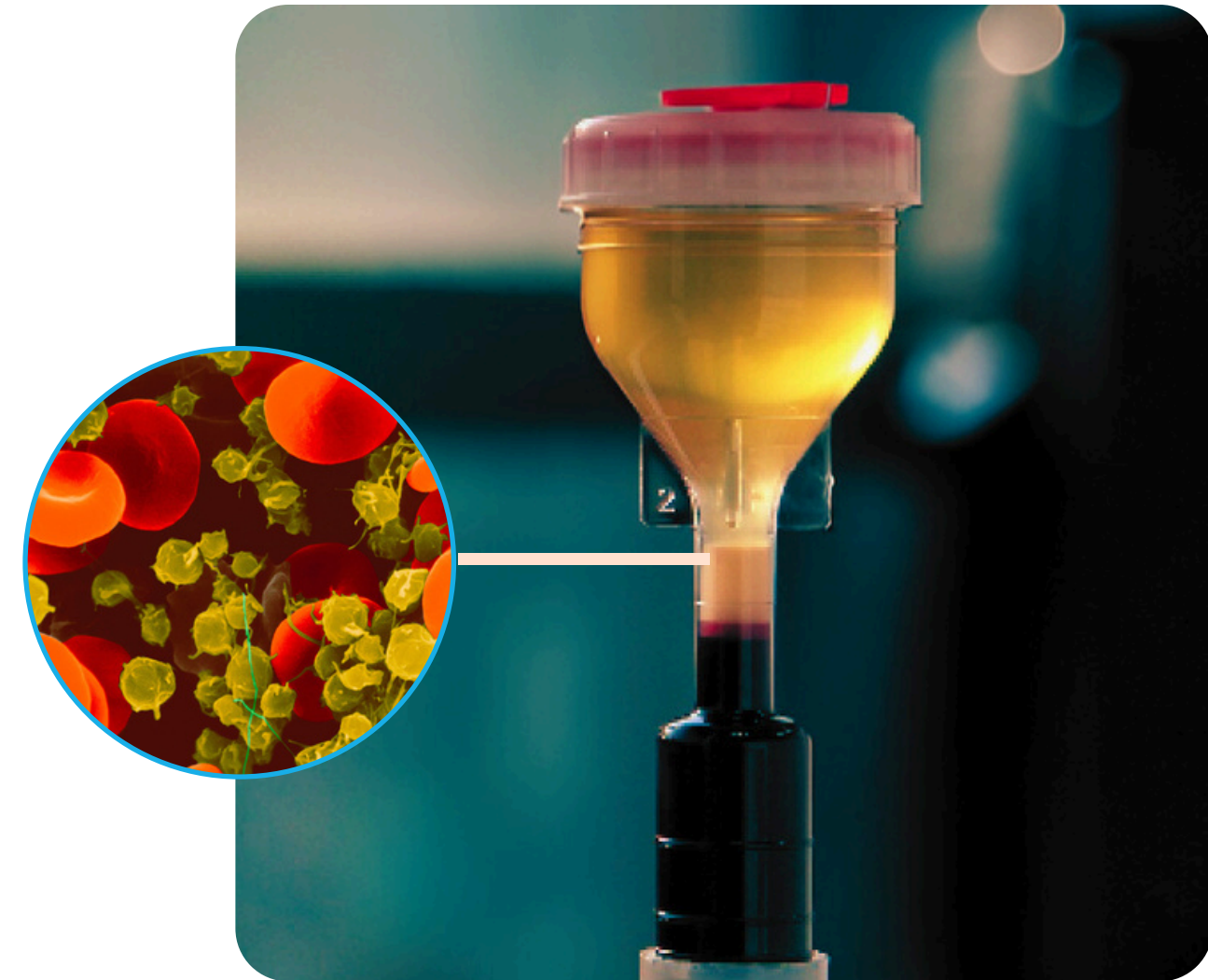
Platelet-Rich-Plasma

FACT

- Normal Platelet counts in blood are average about 200,000 μl .
- The scientific proof of bones and soft tissues healing enhancement has been shown using PRP with 1,000,000 μl is the working definition of PRP today.
- Lesser concentrations cannot be relied upon to enhance wound healing.

For platelet-rich plasma (PRP)¹ to work, its platelet concentration must be greater than the baseline. On average, a typical human being's blood contains between 155,000 and 350,000 μl of platelets. It must be between 1,000,000 and 1,500,000 μl in PRP.

¹Platelet-Rich-Plasma (PRP): What is PRP and What is Not PRP? - Robert E. Marx, DDS:2001



Plasma rich in platelets, or PRP, is a kind of blood plasma. Theoretically, platelet-rich plasma (PRP) can facilitate the regeneration of both hard and soft tissues, as well as bones, by creating an environment that is high in growth factors and other cytokines.

PRP

Composition & Benefits

Key Benefits

- **Exceptional Performance:** Consistently delivers high-quality PRP with elevated platelet concentration.
- **Ease of Use:** Simplified centrifugation with precise control knobs and visual guide lines.
- **Safety Assured:** Single-use, sterile components reduce infection risk.
- **Patient-Centric Design:** Suitable for a wide range of patient needs, including those with anemia or specific platelet requirements.



Buffy Coat

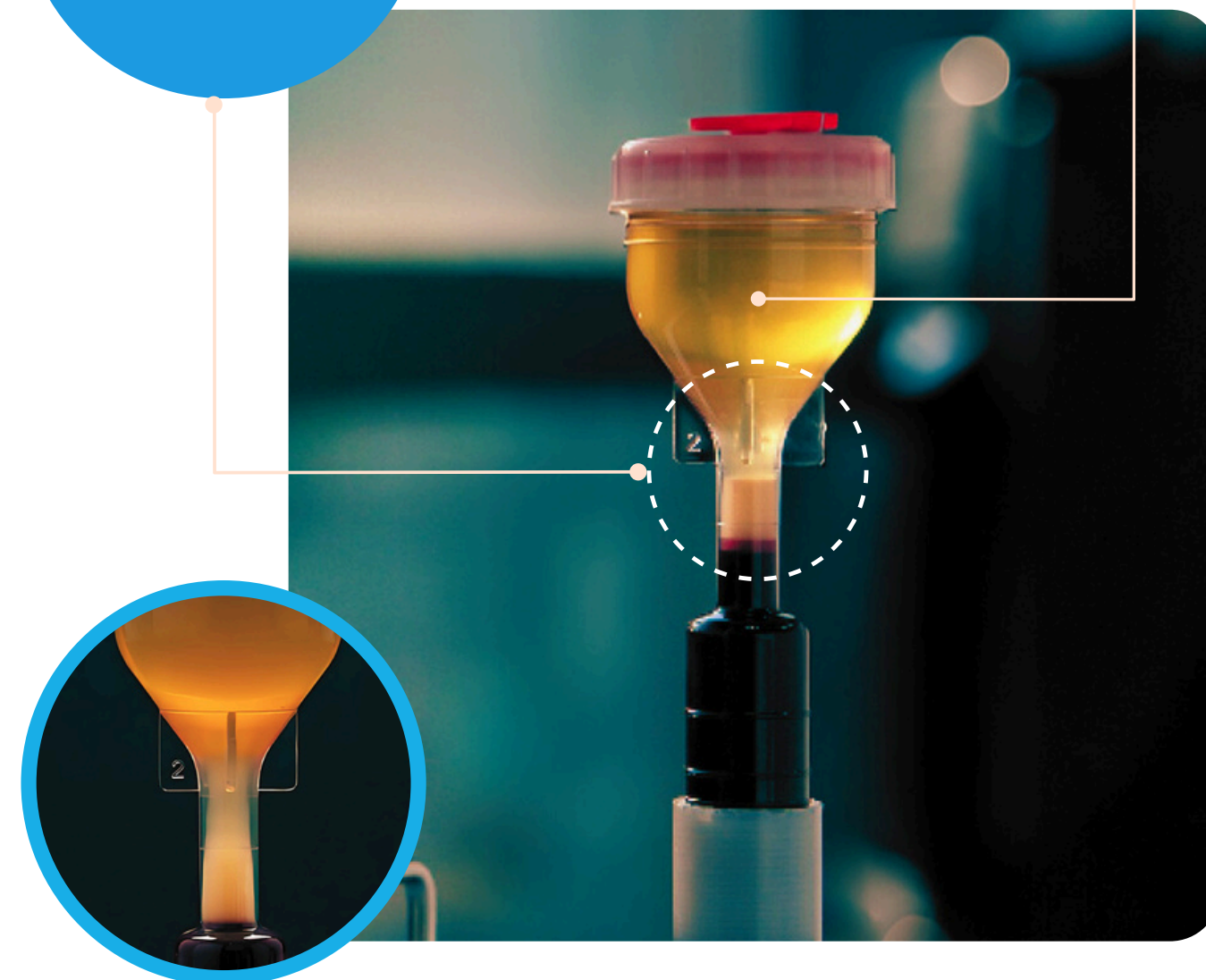
- Buffy Coat is named as it looks like 'Buffalo's Coat'. Buffy Coat is the middle part of the blood layers after centrifugation, containing platelets and some white blood cells, and making up less than 1% of the total blood volume.
- Obtaining Buffy Coat is the most crucial part in the process of harvesting PRP.

PRP

Buffy Coat
+
Plasma

PPP

Platelet Poor
Plasma



PRP, which typically does not contain platelets is used for PRP treatment a lot, but you should use highly enriched Buffy Coat mixing with small amount plasma to figure out effective treatment.



PRP

Choosing the right PRP kit





Enrichment Test



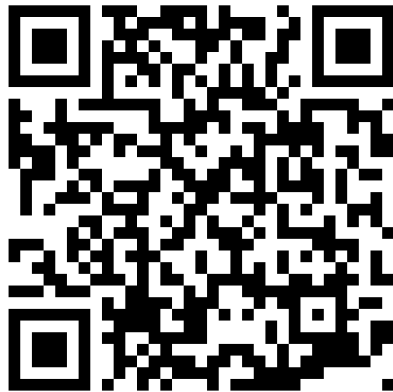
PLT Counts

Subjects	Check Count	In Normal Blood	In PRP	Concentration Rate
Patient 1	1st	226,000	1,716,000	7.6 times
Patient 1	2nd	227,000	1,697,000	7.5 times
Patient 2	1st	183,000	1,583,000	8.7 times
Patient 2	2nd	182,000	1,604,000	8.8 times
Patient 3	1st	164,000	1,489,000	9.1 times
Patient 3	2nd	162,000	1,521,000	9.4 times

Test Condition: Blood 13.5ml + Anticoagulant 1.5ml

- Platelet Count in 1/mm³ square shows the enrichment rate of y-cellbio PRP.
- Platelets achieve 5–9x concentration after centrifugation.

Scan to learn how PRP can enhance your practice



PRP

Opportunity Areas

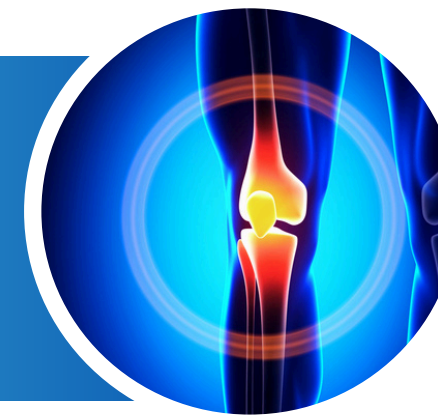


Aesthetics

Can be used in all medical aesthetics/dermatology treatment including hair treatment.

Orthopaedic

Can be used in bone and joint-related treatment.



Dentistry

Can be used in bone, tissue and gum-related treatment. In 2021-22, total dental spent in Australia was AUD 11.1billion³.



Sports

Can be used in athletes' healing and recovering injuries across sports industries.



Pain Management

Can be used in wound and pain management.

Infertility

The Australian infertility industry is expected to rise by USD 1,631.8 million by 2030². PRP can be used for ovarian rejuvenation treatment.



²Australia Fertility Services Market Size & Outlook, 2030, 2024

³ Institute of Health and Welfare (2024) [Oral health and dental care in Australia](#), AIHW, Australian Government, accessed 29 January 2025.

