



## EQUIPMENT SELECTION GUIDE

# The PRP system buyer's guide

How to size a kit to your protocol, what to ask any supplier before you sign, and what the device labeling actually says.

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### WHAT'S INSIDE

The five decisions that determine your kit

Kit specifications, with every source named

Single spin or double spin, and the tradeoff

Leukocyte profile, and why selectable matters

Nine questions to ask any supplier

What these devices are actually cleared for

# Buy on specifications, not on adjectives

Most PRP equipment marketing compares outcomes. Outcomes depend on the physician, the patient, and the protocol, so comparing them across systems tells you very little. What you can compare is what the device does: how much blood it takes in, how much preparation it produces, how many spins that takes, and how long the whole thing occupies a room.

This guide covers only those. Every figure in it is Emcyte's published figure with the source document named, so you can check it against the manufacturer rather than take a distributor's word for it. Where Emcyte does not publish a number, this guide says so instead of estimating one.

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## THE FIVE DECISIONS

### 01 What volume does your protocol need?

This decides kit size before anything else. A single joint needs a small, concentrated dose. A broad surface, or a protocol that splits between injection and topical, needs finished volume. Size for the whole session, not the first step of it.

### 02 Single spin or double spin?

A genuine tradeoff rather than a right answer. Single spin gives more finished volume in less time. Double spin gives a smaller, more concentrated preparation and takes longer. Match it to your session shape.

### 03 Is the leukocyte profile selectable?

The literature has not settled leukocyte-rich versus leukocyte-poor for any indication. A selectable system keeps that call with the physician per case, instead of fixing it at the moment you standardize on a disposable.

### 04 Will the centrifuge cover what you add next?

The kit is a recurring cost and the centrifuge is a capital one. If a platform runs PRP, bone marrow, and adipose preparations, adding a service later is a disposable line rather than a second machine and a second bench footprint.

### 05 Can you reproduce the preparation next month?

The spec nobody lists. Patients on a series compare session three to session one, so operator variation is the enemy. Named presets rather than hand-entered speed and time, and fewer transfer steps, are what keep them comparable.

# Kit specifications

Every figure below is Emcyte's published figure, with the source document named in the final column. Spin settings shown are for the Executive Series centrifuge except where noted. Emcyte publishes different settings for the Euro and Platinum Series, so confirm against the sheet for the centrifuge you own.

| Kit                          | Draw volume                          | Spins | Spin settings                                  | Published yield                      | Source                                     |
|------------------------------|--------------------------------------|-------|------------------------------------------------|--------------------------------------|--------------------------------------------|
| AbsolutePRP Gold<br>GS301-EU | 20 mL total<br>18 mL blood, 2 mL AC  | 1     | 1.5 min at 4000 RPM<br>Platinum Series         | Approximately<br>8 to 12 mL          | Emcyte quick guide,<br>GS301-EU            |
| PurePRP SP<br>GS30-PURE II   | 30 mL total<br>25 mL blood, 5 mL AC  | 2     | 1 min at 4200 RPM,<br>then 5 min at 4200 RPM   | Not published<br>by the manufacturer | Emcyte protocol<br>sheet, GS30-PURE II     |
| PurePRP SP<br>GS60-PURE II   | 60 mL total<br>50 mL blood, 10 mL AC | 2     | 1.5 min at 3800 RPM,<br>then 5 min at 3800 RPM | Approximately<br>7 mL                | Emcyte GS60-PURE II<br>processing protocol |

Figures are reproduced as Emcyte's statements and have not been independently verified by PRP Direct. The GS30 yield cell is blank because Emcyte does not state a yield for that kit in the documentation we hold, and we will not estimate one. Yields describe what the device produces in the tube under the manufacturer's stated conditions. They are not dosing guidance and not a claim of clinical efficacy. Pure Two PRP is available in 30, 60 and 120 mL formats and is omitted here because we hold no verified yield figure for it. Ask and we will send Emcyte's sheet directly.

## Reading the tradeoff

### SINGLE SPIN

More finished volume, less chair time, fewer handling steps. Emcyte publishes the highest yield in the line for the smallest draw here. Suits broad-surface work and practices where the appointment slot is the constraint.

### DOUBLE SPIN

A smaller, more concentrated preparation, at the cost of a second spin cycle and more time. Suits single-site work where dose at one target matters more than covering an area.

Neither is better in the abstract. The mistake worth avoiding is splitting the difference on a kit that does neither well because it was the one the supplier had margin on.

# Profile, platform, and what to ask

## Leukocyte-rich or leukocyte-poor?

The literature has not settled this, for any indication. The common rationale favors a lower leukocyte fraction in soft tissue and a higher one where an inflammatory response is wanted, but those are rationales rather than findings. Any supplier telling you the debate is closed is selling past the evidence.

The practical answer is to buy a system where the profile is selectable, so the decision stays clinical and per case. Emcyte specifies PurePRP SP and Pure Two PRP as selectable.

## The centrifuge decides what you can add later

Kits are recurring cost; the centrifuge is the capital decision, and it is the one that constrains you. A platform that runs PRP, bone marrow concentrate, and adipose preparations means a second service line is a disposable, not a second purchase, a second validation, and a second footprint. Ask what the machine covers before you ask its price.

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### TAKE THIS TO YOUR NEXT SUPPLIER CALL

## Nine questions worth asking

- 1 Does the centrifuge run named presets, manual entry, or both?
- 2 Which preparations does it cover: PRP only, or bone marrow and adipose as well?
- 3 What does adding a second biologic later cost me, a disposable or a second machine?
- 4 What are the rotor capacity, dimensions, and power requirements, in writing?
- 5 What is the warranty, and who services it if it goes down mid-clinic?
- 6 Is there a loaner program so we can evaluate it in our own rooms?
- 7 Will you take our current centrifuge on trade?
- 8 Is staff training on the presets and counterbalancing included?
- 9 What is the itemized quote: machine, kits, training, and shipping, separated?

Question 9 is the one that reveals the most. A supplier who will not itemize is usually protecting a bundled margin you cannot see, and you will not be able to compare their number to anyone else's.

# What these devices are cleared for

Most suppliers will not put this in front of you. Emcyte's instructions for use define the labeled indication for the PurePRP Supraphysiologic Concentrating System as follows, quoted verbatim:

"The PurePRP® Supraphysiologic Concentrating System is designed to be used for the safe and rapid preparation of autologous platelet rich plasma (PRP) from a small sample of blood at the patient's point of care. The PRP is mixed with autograft and allograft bone prior to application to an orthopedic site to improve bone graft handling characteristics."

The same document states: *"The PRP prepared by this device has not been evaluated for any clinical indications."* It also states that safety and effectiveness for in vivo indications such as bone healing and hemostasis have not been established, and that the PRP prepared by the device is not indicated for delivery to the patient's circulatory system.

Any application other than the labeled indication falls outside it. That is not unusual in this field, and it is not something a distributor can authorize, recommend, or direct. It rests on the independent clinical judgment of a licensed physician, exercised under their own license and their own informed-consent process. PRP Direct sells equipment and publishes what the manufacturer publishes about it. We do not advise on clinical application.

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## SOURCES

1. Emcyte Corporation, GS301-EU AbsolutePRP Gold quick guide. Draw composition, single 1.5 minute spin at 4000 RPM on the Platinum Series, and the approximately 8 to 12 mL yield.
2. Emcyte Corporation, GS30-PURE II protocol sheet. Draw composition and both spin settings. States no finished yield, which is why that cell is marked not published.
3. Emcyte Corporation, GS60-PURE II processing protocol. Draw composition, both spin settings, and the approximately 7 mL yield.
4. Emcyte Corporation, PurePRP SP Processing Guide, instructions for use dated August 2023. The indications-for-use text and all disclaimers quoted above.

We will send you any of these documents on request, so you can read the original rather than our summary of it. Manufacturers revise specifications without notice. The instructions for use packaged with your kit supersede anything published here.

## NEXT STEP

# Tell us the protocol. We'll size the kit.

Send your monthly case volume and what you treat. You get itemized pricing separating machine, kits, training and shipping, plus the manufacturer's spec sheets so you can check every figure in this guide yourself. One business day. No login wall, and no call required before you see a number.

**Web** [prpdirectusa.com/request-a-quote](http://prpdirectusa.com/request-a-quote)

**Call** (216) 202-4520

PRP Direct is a distributor of Emcyte point-of-care blood-processing devices. Emcyte states these systems are 510(k)-cleared as blood-processing devices; clearance covers how a device processes blood, it is not a clearance of the prepared PRP to treat any condition, and no PRP therapy is FDA-approved for a specific indication. The labeled indication for the PurePRP Supraphysiologic Concentrating System is an orthopedic bone-graft handling application, and the manufacturer states the PRP prepared by the device has not been evaluated

for any clinical indications. Use in any other application is outside the labeled indication and rests on the independent judgment of the treating licensed physician. Manufacturer specifications are reproduced as the manufacturer's statements, have not been independently verified by PRP Direct, and are not claims of clinical efficacy. Nothing in this guide is dosing, protocol, clinical, or medical advice, and nothing here should be relied upon in making a clinical decision. Product names and trademarks belong to their respective owners.