

DRAFT FOR REVIEW — Not Doctor-approved for training. VERIFY items must be cleared before competency use.



IN-HOUSE LABORATORY

Cypress & Katy, TX

Document ID: SOP-LAB-011

Version 0.1 DRAFT | Target effective 09/10/2026

ProWash S Maintenance

ProWash S care, IPA management, and station checks

Smile Avenue Family Dentistry — In-House Laboratory

SprintRay ProWash S — IPA, tanks, adapters, leaks

Document ID	SOP-LAB-011
Version	0.1 DRAFT FOR REVIEW
Effective (target)	09/10/2026
Owner	Lab Technician (process) / Doctor (clinical release)
Stack	ProWash S with Smile Avenue Pro 2 platforms
Status	DRAFT FOR REVIEW — do not train from this until Doctor sign-off

Related: SOP-LAB-001 (IPA grade, PPE, waste); product SOPs for wash cycle selection

1. Purpose

Maintain ProWash S so wash/dry cycles remove uncured resin reliably, IPA is replaced when saturated (not by guessing), tanks and filters stay clean, adapters are used correctly for Pro 2, and leaks are distinguished from normal evaporation.

2. Scope

In scope: IPA monitoring/replacement; reservoir tank scrub; mesh filter; hydrometers; platform vs basket wash; Pro 2 adapter rules; leak checks; drain-port issues; storage when idle.

Out of scope: Resin-specific custom wash times (see each IFU / product SOP); IPA hazardous-waste contracting (**VERIFY** vendor).

3. Who

Role	Responsibility
Lab Technician	Monitor hydrometers/prompts; drain/refill; clean tanks/filter; leak watch
Trainer / Lead Lab Technician	Confirm Chamber 1/2 discipline; competency on drain hose
Doctor	Approve drain-port kit / parts spend; clinical impact of under-washed cases

4. Safety

- PPE per SOP-LAB-001 (gloves, eyewear, protective clothing) for all IPA work.
- IPA flammable — ventilated area; no ignition sources; surge-protected power.
- **Never pour IPA into the wash chamber** — fill **reservoir chambers** only.
- Never flush IPA down the drain. Use labeled waste containers and certified disposal.
- Small drips when connecting/disconnecting the drain hose can be normal; continuous leakage is not.

5. Materials

Item	Notes
IPA ≥91%	SprintRay recommended; ≥500 mL per chamber minimum on refill
Drain hose	Pre-installed / clipped on unit
Cleaning brush (included)	Scrub reservoirs when changing IPA
Mesh wash filter	Clean when screen prompts
Wash basket	Basket wash / combination workflows
Hydrometers	Pre-calibrated per chamber — do not discard
Build platform adaptor	Supplied for Pro55 / Pro55 S — not required for Pro 2 (Pro 2 magnet built-in)
Magnet sticker	For older Pro95 / Pro55 detection — N/A for Pro 2 if magnet built-in
IPA waste container	Labeled; never drain to sink
Drain port replacement kit	If continuous leak / stuck port (SprintRay store kit)

6. Steps by cadence

6.1 BEFORE EACH WASH (daily ops)

1. Confirm reservoir lids closed when idle; unit level, ventilated, nothing stacked on top.
2. Check touchscreen for IPA / filter prompts.
3. Glance at **hydrometers**: submerged ≈ OK; **floating** ≈ **replace IPA**.

4. Select **Platform Wash** or **Basket Wash** per model (and IFU). For Pro 2: seat platform so unit detects it (built-in magnet — no Pro55 adapter).
5. Do not stack/crowd models in basket; close basket lid fully when using basket mode.
6. After cycle: inspect parts for residual resin; confirm dry (run Dry Only if moisture remains) before NanoCure.
7. **VERIFY** Smile Avenue default cycle name(s) posted on station card vs resin IFU custom cycles.

6.2 WHEN TO CHANGE IPA (event-based — official SprintRay triggers)

Replace IPA when **any** of the following occur (SprintRay ProWash S IPA Care article):

1. Touchscreen prompts replacement.
2. Hydrometer **floats**.
3. Cleaning results become inconsistent (sticky/tacky parts after a normal cycle).

Do not invent a fixed “every X days” interval unless practice later validates one from usage data — SprintRay guidance is condition-based. Chamber 1 (primary) typically saturates sooner than Chamber 2 (fine wash).

6.3 IPA DRAIN / REFILL / TANK CARE (each IPA change)

1. Don PPE. Stage labeled IPA waste container.
2. **Drain** (repeat per chamber as needed):
 - Remove drain hose from holder.
 - Press metal inlet into drainage port until it clicks.
 - Place free end in waste container.
 - Release safety clamp; drain fully.
 - Slide outer ring of drain port away to disengage hose.
3. **Clean IPA tanks every time IPA is replaced:**
 - Remove hydrometer.
 - Scrub with provided brush.
 - Rinse with fresh IPA.
 - Reinstall hydrometer; repeat for second chamber.
4. **Add fresh IPA:** open reservoir lid; add **≥500 mL** IPA ≥91% to **each** chamber; close lid. (99% allowed; sensors may need several cycles.)
5. Hydrometers may float briefly after refill, then sink once stabilized.
6. Log date/chamber/volume (**VERIFY** log location).

6.4 MESH FILTER

1. Clean when the screen prompts (SprintRay).
2. Unscrew filter; rinse under cold water to remove debris; reinstall securely.
3. Replace filter if it cannot be adequately cleaned (**VERIFY** spare filter on hand).

6.5 ADAPTERS / PLATFORM DETECTION (Pro 2)

1. **Pro 2 platforms:** magnet is built in — **do not** require the Pro55 adapter or magnet sticker for detection.

2. If “not detecting build platform”: reseal platform; confirm correct orientation; clean detection area; verify you are not using a bare Pro55 workflow by mistake.
3. Pro55 adapter (if ever used on a loaner platform): place per SprintRay Pro55 adapter article — opening orientation as documented — **VERIFY** before use; Smile Avenue locked stack is Pro 2.

6.6 LEAKS VS EVAPORATION

1. Slow IPA level drop with lids opened often / warm room → often **evaporation**. Keep lids closed; control temperature.
2. Inspect quick-connect **drain ports** for drips beneath ports; confirm ports fully tightened and fittings lock.
3. Normal: small drip on hose connect/disconnect.
4. Abnormal: **continuous** leak, hose won't lock, port stuck open/closed → drain chamber, clean, replace drain port with SprintRay kit (do not remove pre-applied Teflon tape; do not overtighten). If unsure, call Support before forcing hardware.

6.7 IDLE / STORAGE

- Keep unit **plugged in**.
- Chambers should hold **fresh** (not saturated) IPA.
- Reservoir lids closed.

7. QC

Check	Pass
Hydrometers	Submerged before starting production washes
Refill volume	≥500 mL/chamber documented
Tank scrub	Done at every IPA change
Parts after wash	No uncured film; dry before cure
Floor / ports	No continuous IPA puddle

8. Troubleshooting

Issue	Action
Floating hydrometer	Drain/replace IPA; scrub tanks
Sticky parts	Replace IPA; confirm correct cycle; check filter
Not detecting platform	Reseat Pro 2 platform; clean; confirm no wrong adapter assumption
Level sensors odd after 99% IPA	Run several cycles for sensor recognition
Continuous leak at port	Tighten/inspect → replace drain port kit; escalate if persists
IPA disappearing, no puddle	Evaporation controls; still inspect ports

9. Escalate

Escalate to	When
Doctor	Under-washed appliances that may affect fit/cure/biocompatibility; parts spend
SprintRay Support — 1-800-914-8004	Persistent leaks after port service, pump/sensor errors, detection failures after reseal, software/profile issues

10. Sources

- SprintRay Support — IPA Care and System Cleaning (ProWash S):
https://support.sprinray.com/en_US/prowash-s-maintenance/prowash-s-maintenance-ipa-care-and-system-cleaning
- SprintRay Support — ProWash S Setup First Wash Cycle: https://support.sprinray.com/en_US/getting-started-/prowash-s-setup-first-wash-cycle
- SprintRay Support — ProWash/Dry Slowly Losing IPA (evaporation vs drain-port leaks):
<https://support.sprinray.com/prowashdry-slowly-losing-ipa>
- SprintRay Support — ProWash S Drain Port Replacement (Helpjuice mirror / support articles)
- SprintRay Support — ProWash S Not Detecting Build Platform (Pro 2 magnet built-in)

11. VERIFY list

1. Station default wash profiles vs each resin IFU custom cycle.
2. IPA waste vendor, container labels, and pickup cadence.
3. Spare mesh filter and drain-port kit on hand.
4. Whether Chamber 2 → 1 recycle is used at Smile Avenue (SprintRay notes Chamber 2 can be recycled into Chamber 1 when needed) — practice rule yes/no.
5. Log sheet for IPA changes (date, chamber, hydrometer/prompt reason).

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