

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



IN-HOUSE LABORATORY

Cypress & Katy, TX

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Denture Try-In

SprintRay Try-In 2 — Lab Manufacturing Procedure

Smile Avenue Family Dentistry — In-House Laboratory

SprintRay Try-In 2 — Lab Manufacturing Procedure

Document ID	SOP-LAB-120
Version	0.1 DRAFT
Effective (target)	09/10/2026
Owner	Lab Technician (process owner)
Status	DRAFT FOR REVIEW

Start: Case received in Medit Lab

End: Try-in bagged and logged in SEAZONA for outbound delivery

1. Purpose

This procedure standardizes in-house manufacturing of SprintRay Try-In 2 devices used to evaluate bite registration and occlusion for fully and partially edentulous patients before definitive denture fabrication.

2. Scope

In scope: Medit Lab intake → scan QC → design (VERIFY) → RayWare / Pro 2 → ProWash S → NanoCure → finish clean → bag & SEAZONA.

Out of scope: Definitive printed dentures (SOP-LAB-090); Apex Flex RPD (SOP-LAB-030); OnX Tough 2 (SOP-LAB-040); clinical bite evaluation appointment itself; non-SprintRay printers.

3. Roles

Role	Responsibility
Clinical Assistant / Office	Sends case; receives bagged try-in
Lab Technician	Scan QC; design approve; manufacture; bag; SEAZONA
Trainer / Lead Lab Technician	Competency sign-off
Doctor	Indication; clinical try-in evaluation; remake authorization

4. Practice Configuration

#	Item	Smile Avenue setting
1	Printer	Pro 2 only
2	Cure unit	NanoCure — Try-In 2 preprogrammed profile
3	Case intake	Medit Lab
4	Design	VERIFY — outside CAD or SprintRay Cloud Design
5	Wash	ProWash S — IPA ≥ 91% — standard preprogrammed cycle
6	Layer thickness	Typically 100 µm
7	Orientation	Intaglio facing away from platform
8	Design approval before print	Lab Technician
9	Case log	SEAZONA

Thickness minima (IFU-006)

Area	Maxillary	Mandibular
Lingual ridge	≥ 2.0 mm	≥ 2.0 mm
Palatal / lingual	≥ 2.5 mm	≥ 1.5 mm
Facial / buccal	≥ 1.5 mm	≥ 1.5 mm
Implant overdenture area	≥ 2.0 mm	≥ 2.0 mm

5. Safety

- Treat uncured Try-In 2 as sensitizer. PPE + ventilation.
- Do not bag under-cured try-ins. Do not use expired resin.

6. Materials & Equipment

- SprintRay Try-In 2; IPA ≥ 91%
- Stack: Medit Lab → design (**VERIFY**) → RayWare → Pro 2 → ProWash S → NanoCure **Try-In 2** → SEAZONA

7. Process Controls

Gate	Do not proceed if	Proceed when
Design	Below minima / not approved	QC-A pass
Printer	Not Pro 2	Pro 2
Pre-cure	Wet	Fully dry
Cure	Wrong profile	Try-In 2 profile complete
Outbound	Failed QC-E	Bagged + SEAZONA

8. Procedure

A. Intake & scan QC

1. Medit Lab: verify ID, arch, edentulous status, due date.
2. **QC-SCAN**.

B. Design (**VERIFY**)

3. Design/receive try-in STL meeting thickness minima.
4. Lab Technician **approves**. **QC-A**.

C–D. Nest & print

5. Try-In appliance; Try-In 2 material; intaglio away; ~100 µm; Pro 2.
6. Shake **1 minute**; print; log lot. **QC-B**.

E–F. Wash & cure

7. ProWash S standard cycle; dry. **QC-C**.
8. NanoCure **Try-In 2** profile; remove supports. **QC-D**.

G. Finish, clean, bag

9. Soap + brush + warm water; dry; bag; SEAZONA. **QC-E**.

End of SOP-LAB-120. Clinical bite evaluation is Doctor-led outside this SOP.

9. Case Log (SEAZONA)

Field	Entry
Date / case ID / arch	
Scan QC	☐ Pass ☐ Fail
Design approved by (Lab Technician)	
Try-In 2 lot	
NanoCure Try-In 2	☐ Yes
Bagged outbound	☐ Yes — time __

10. Quality Checkpoints

ID	When	Pass	Fail action
QC-SCAN	After Medit Lab intake	Scans usable	Return to office
QC-A	Pre-print	Approved + thickness minima	Return to design
QC-B	Post-print	Complete geometry	Remake print
QC-C	Post-wash	Clean + dry	Re-wash/dry
QC-D	Post-cure	Fully cured	Remake / salvage
QC-E	Before outbound	Finish + clean + bag + SEAZONA	Hold release

11. Remake Criteria

Finding	Action
Failed scan QC	Do not manufacture
Incomplete print / delamination	Remake
Below thickness minima	Remake from corrected design
Wet / under-cured / wrong Try-In 2 profile	Hold; correct or remake
Light support nubs only	Salvage — re-check QC-E
Unsure	Escalate to Doctor / lab lead

12. Competency

Requirement	Sign-off
Read SOP-LAB-120	Tech _ Date ____
Demonstrates Medit Lab → bagged Try-In 2 outbound	Trainer _ Date ____
Completes 3 observed cases	1. ____ 2. ____ 3. ____
Trainer attests ready	Trainer _ Date ____
Lab lead authorizes unsupervised production	_ Date ____

13. Troubleshooting & Escalation

Problem	Action
Bad scans	Return to office
Soft after cure	Confirm dry + Try-In 2 NanoCure profile
Misrouted as definitive denture	Stop; use SOP-LAB-090 for definitive

SprintRay Support: 1-800-914-8004.

14. References

- SprintRay Try-In 2 IFU-006_8 (effective 04/02/2025)
- Local IFU archive: `TryIn2.txt`
- Related definitive path: SOP-LAB-090

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Review annually or when SprintRay IFU / equipment changes. Confirm all VERIFY items before training use.