# Micro Laser Peel *2940nm Erbium YAG*

*Note: It is highly recommended to do Facial Blocks*

1. Apply topical 1 hour before procedure, re-applying as needed.
2. Using wet 4x4’s, thoroughly remove topical chair side and pat dry.
3. Set ablation depth at 15um (no coagulation).
4. 15um initial peel accomplishes several goals:
   1. Allows assessment of individual erythema response. If patient has strong   
      response, the treatment can be adjusted to match promised recovery time.
   2. Removal of Stratum Corium decreases topical uptake time while increases depth of topical penetration.
   3. A second application of topical helps eliminate need for oral medication in ablations < 60um.
   4. Doing two to three passes will give a more even coverage and ablation.
5. Set overlap at 50% for 1st pass.
6. Following 1st pass, re-apply topical for 10 - 15 minutes for full effect.
7. Using wet 4X4’s, thoroughly remove topical and pat dry.
8. Rotate scanner 90 degrees to form a crosshatch pattern.
9. Set overlap at 50% for 2nd pass.
10. Select desired ablation depth not to exceed a total of 100um combined.
11. Wipe off residue and apply topical dressing.
12. Send patient home with post-op care instructions.

**Start 1st Pass**

**Start**

**2nd Pass**

**Estimated Recovery Times**

As a simple rule, the ratio of epidermal ablation over original thickness multiplied by 28 days will determine approximate healing time.

* (example: 20 microns / 110 microns x 28 days = 5 days)
* Redness is commonly one-third to one-half of that calculated time.
* Make-up can often be applied in one-quarter to one-third the calculated time.

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| 10um / 110um X 28 = | 2.5 Days | Redness = 1 day | Makeup = 1 day |
| 20um / 110um X 28 = | 5 Days | Redness = 2.5 days | Makeup = 1 day |
| 30um / 110um X 28 = | 7.5 Days | Redness = 3.5 days | Makeup = 2 days |
| 40um / 110um X 28 = | 10 Days | Redness = 5 days | Makeup = 2 days |
| 50um / 110um X 28 = | 12.5 Days | Redness = 6 days | Makeup = 3 days |
| 60um / 110um X 28 = | 15 Days | Redness = 7 days | Makeup = 4 days |

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