

# Processing Film: A Step by Step Guide

- Bring your tank, scissors, and a bottle opener into the film loading room. **LOCK YOUR DOOR.**  
Load film on the reels in complete darkness. Cut off the tape at the end of the film.  
Double check to make sure your lid is locked in place.
- Clean two graduates.  
In one, run water from the sink until it reaches 68 degrees. Set it aside.  
In the second, mix a 68 degree solution 1:1 of Developer (D-76) and water. (Plastic 2 reel: 22 oz. / Metal 2 reel:16 oz.)
- Water Pre-wash your film at 68 degrees.  
**Time:** 45sec **Agitation:** Continuous  
Drain Pre-wash during the last 10 seconds of Pre-wash time.
- Developer solution D-76 (1:1).  
**Time:** see chart **Agitation:** continuous for first minute, 10 seconds every minute thereafter.

TRI-X 400 with D76 Developer (1:1) / Development Time in Minutes					
Shot As	65°F	68°F	70°F	72°F	75°F
ISO 100	8	7 ½	6 ¾	6 ½	5 ¾
ISO 200	9 ¼	8 ¼	7 ¾	7 ¼	6 ½
ISO 400	10 ¾	9 ¾	9	8 ½	7 ¾
ISO 800	12 ¼	11 ¼	10 ¼	9 ¾	9

Drain developer during last 10 seconds of development time. **Pour down the drain.**

- Stop Bath: use pre-mixed chemicals  
**Time:** 1 minute **Agitation:** Continuous  
Drain Stop-Bath during the last 10 sec. **RECYCLE STOP BATH!**
- Fixer: use pre-mixed chemicals  
**Time:** 5 minutes **Agitation:** Continuous for the first 30 sec, 5 seconds every 30 seconds thereafter.  
Drain fixer during the last 10 sec. **RECYCLE FIXER!**
- Water Wash: 68 degree water: use pre-mixed chemicals  
**Time:** 1 minute **Agitation:** Continuous  
Drain water wash during the last 10 sec.
- Fixer Remover (a.k.a. Hypo Clear): Use pre-mixed chemicals.  
**Time:** 2 minutes **Agitation:** Continuous  
Drain Fixer Remover during the last 10 seconds. **RECYCLE FIXER REMOVER!**
- Water Wash: Open Canister and place reel in continuous wash cylinder at 68 degrees.  
**Time:** 10 minutes
- Photoflo: Dunk reels in photoflo tank  
**Time:** 30 sec **Agitation:** Continuous very light submerged dunking
- Take your film off the reel without touching it. Hang film to dry in drying cabinets.