

ACTIVATION WITH HYDRAZINE HYDRATE

Individually, each gel in 35mm dish

Pour enough hydrazine hydrate over the gel-coverslip to account for evaporation

Cover with a lid

Let sit for at least 4 hours

Move gel-coverslip to new dish with 5% acetic acid (2.5 ml for 50ml tube). Small dishes should be placed in a bigger plastic dish.

Wash on shaker for 1hr

Move gel-coverslip to new dish with H₂O^{dd}

Wash on shaker for 1hr

Before placing each gel-coverslip into its new dish, rinse front and back with H₂O^{dd}

Store activated gels in PBS @ 4°C

In bulk, 11 gels at a time

Place each coverslip with gel carefully on custom-made glass rack (takes 11 gels)

Fill rectangular glass “h-h” dish with ~150ml hydrazine hydrate

Gently lower glass rack into hydrazine hydrate, let sit for at least 4 hours

Fill rectangular glass “5% ac.ac.” dish with 5% acetic acid (7.5 ml for 150ml)

Take glass rack out of h-h and gently lower it into dish with ac.ac.

Place entire dish into large 150mm plastic dish and put it on shaker

Wash on shaker for 1hr

Fill rectangular glass “H₂O” dish with H₂O^{dd}

Take glass rack out of ac.ac. and gently lower it into dish with water

Wash on shaker for 1hr

Rinse front and back of each gel-coverslip with H₂O^{dd} from squirt-bottle and place into 35mm dish

Store activated gels in PBS @ 4°C

NOTE: Put both h-h and ac.ac. remains into H-H waste bottle and record amounts. Rinse all dishes after use first with ac.ac. and then with H₂O^{dd}. Always wear gloves!