

## *Handling Recommendations for anamed Precast Gels*

**Attention:** Never store gels at temperatures lower than +4° C. Do not freeze! Packaging Buffer contains Sodium Azide (0,01 %). Rinse gel cassette gently with DI-water before use. Always wear gloves while handling gels.

1. Open gel-pouch with scissors, take out the gel-cassette.
2. Rinse the cassette with DI-water.
3. Remove the tape strip at the lower part of the cassette.
4. Remove the comb with a quick, vertical stroke.
5. Dependent on the requirements of cells used, look for a tight fit of the cassette.
6. Using a Pasteur-pipette, wash the wells gently with Running-buffer and fill them up completely, avoiding air-bubbles.
7. Positioning of samples should be at the bottom of each well, avoid swirls.
8. Fill the electrophoresis cell with Running-buffer, on Cathode and Anode sides.
9. Close the cell and connect the cables to the power-supply.
10. Select the appropriate running conditions and start electrophoresis.

Gel type	Voltage (V)	Current (mA)	Duration (min)
Tris-Glycine, SDS	125	60	90
Tris-Glycine, native	125	20	60 – 600
Tris-Tricine, SDS	125	100	70 – 90
Tris-Borate-EDTA	200	30	30 – 90
Tris-Borate-Urea	180	30	50 – 70
VarioGel	200	150	30 – 55

11. After elapsed runtime, switch instrument off, remove power cables and take the cassette(s) out of the cell.
12. Open the cassette with a gel-knife, a strong spatula or by using the gel-comb to crack the ultrasonic welding between the front and rear cassette plate. The cassette should be positioned horizontally on the table with the curved top plate down. Remove the front plate.
13. Cut the lower portion of the gel directly above the power-slot and the comb-wells with the gel-knife.
14. Now take the gel in the hand and turn it 180 degrees upside down. Carefully take one edge of the gel with the gel-knife and shake the plate slightly.
15. Gravity will help the gel to be removed from plate very easily, falling in a tray.  
**Note:** Never try to scratch the gel from the plate with any tool.
16. Now you may continue with your appropriate work procedures: fixing, staining, blotting etc.