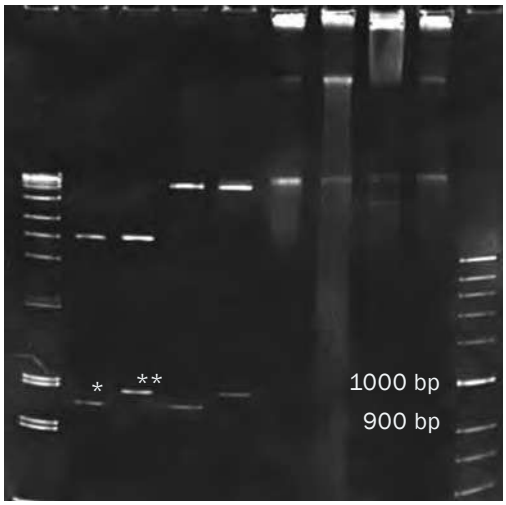
6 PAGE of nucleic acids

The most often used DNA separation methods applies agarose gels. In polyacrylamide gel electrophoresis (PAGE), the nucleic acids are retarded by a molecular mass-dependent chain-matrix interaction that occurs in addition to sieving. This results in a high resolution especially for small and linear fragments (<500 bp). Furthermore, gradient polyacrylamide gels are available to adjust the right separation distance even better. Hence, PAGE of nucleic acids is an alternative to agarose gels for PCR check, small sized nucleic acids or separating overlapping double-bands.



DNA separation on SERVAGel™ TG PRiME™ 8 % (cat. no. 43264) using SERVA PRiME™ DNA Sample Buffer (cat. no. 42544) and TBE Running Buffer (cat. no. 42557).
Conditions: 10 min 150 V, 75 min 250 V. Staining: SERVA DNA Stain Clear G (cat. no. 39804).
Lane 2-5: PRiME resolution of 30 bp difference between * and **.
Kindly provided by Henrike Miess, Pharmazeutisches Institut, Eberhard-Karls-Universität Tübingen

SERVAGel™ TG PRiME™	15 sample wells	12 sample wells	10 sample wells	Size
8 %	43284.01	43260.01	43261.01	10 gels
10 %	43285.01	43263.01	43264.01	10 gels
12 %	43286.01	43266.01	43267.01	10 gels
14 %	43287.01	43269.01	43270.01	10 gels
4 - 12 %	43288.01	43273.01	43274.01	10 gels
4 - 20 %	43289.01	43276.01	43277.01	10 gels
8 - 16 %	43290.01	43279.01	43280.01	10 gels

- **Easy, safe and reproducible**
- **High resolution, razor sharp bands**
- **PCR check, small size nucleic acid separations**