



**Product Insert**  
**KCl Reaction Buffer**

**Product:**  
10x KCl Reaction Buffer

**Catalogue Number:**  
BIO-37066 3 x 1.2ml

**Application**

- For use in reactions containing DNA Polymerase

**Recommendations for Use:**  
Use at 1x concentration in reaction mix. This will give a  $MgCl_2$  concentration of 1.5mM.

**Product Specifications**

**Storage Conditions:**  
10x KCl Reaction Buffer can be stored for 12 months at -20°C. Avoid multiple freeze/thaw cycles.

**Shipping Conditions:**  
On Dry Ice or Blue Ice

**Composition (10x):**  
500mM KCl, 100mM Tris-HCl (pH 8.8 at 25°C), 15mM  $MgCl_2$  and stabilizer.

**Associated Products:**

Product Name	Pack Size	Cat No
ACCUZYME DNA Polymerase	500 Units	BIO-21052
AccuSure DNA Polymerase	500 Units	BIO-21069
IMMOLASE DNA Polymerase	250 Units	BIO-21046
Diamond DNA Polymerase	250 Units	BIO-21058

**Product Citations:**

- Santos, F.R., Pandey, A.A., Tyler-Smith, C., Pena, S.D.J., Schanfield, M., Leonard, W.R., Osipoval, L.; Crawford, M.H.; Mitchell, R.J. *Am. j. hum. genet.*, **64(2)**, 619-628, 1999
- Zito, I., Thiselton, D.L., Gorin, M.B., Stout, J.T., Plant, C., Bird, A.C., Bhattacharya, S.S., Hardcastle, A.J. *Journal Human Genetics*, **105(1-2)**, 57-62, 1999
- Bensasson, D., Zhang D-X. and Hewitt, G.M. *Molecular Biology and Evolution* **17**, 406-415, 2000.

**Notes**

- This product insert is a declaration of analysis at the time of manufacture.
- Research Use Only.

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