

HUWEL Taq Enzy

(Taq Polymerase)



Description

- HUWEL Taq Polymerase is a highly thermostable DNA polymerase from the thermophilic bacterium *Thermus aquaticus*.
- The enzyme catalyzes 5'→3' synthesis of DNA and also possesses 5'→3' exonuclease activity.

Source

- HUWEL Taq polymerase is a recombinant enzyme, purified from *E. coli*.

Features

- Supplied with HUWEL Taq RB (10X Complete Reaction Buffer)
- Free from *E. coli* DNA
- RNase and DNase free

Concentration

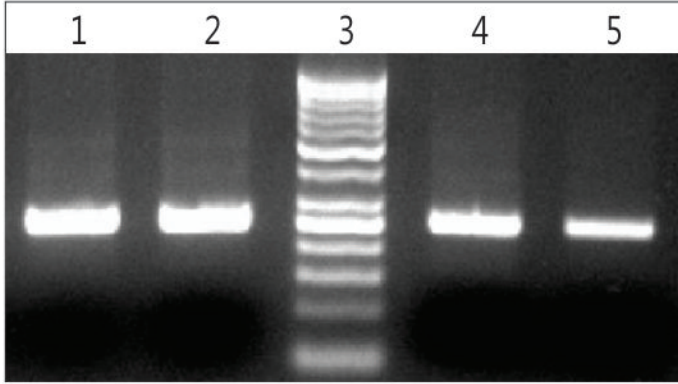
- 5 U/μL

Applications

- Primer extension
- Routine PCR amplification of DNA fragments up to 3 kb
- Generation of PCR product for TA cloning
- DNA sequencing
- RFLP

Quality

Activity and Purity of HUWEL Taq Enzy



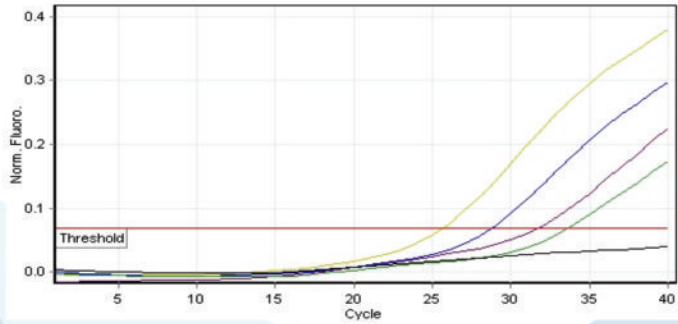
Lane1 - 5U of Taq Enzyme

Lane2 - 3U of Taq Enzyme

Lane3 - 2U of Taq Enzyme

Lane4 - 1U of Taq Enzyme

The purity and activity of HUWEL Taq Enzy when compared with other brands



Activity of HUWEL Taq Enzy

| No. | Enzyme used | Sample Type | Ct. |
|-----------|---------------------------|-------------|-------|
| 1(Yellow) | HUWEL Taq Enzy | PC | 25.61 |
| 2(Blue) | Commercial Taq polymerase | PC | 28.75 |
| 3(Red) | Commercial Taq polymerase | PC | 31.70 |
| 4(Green) | Commercial Taq polymerase | PC | 33.59 |
| 5(Black) | HUWEL Taq Enzy | NTC | - |

Storage

Recommended storage condition is -20°C

Ordering Information

| Cat. No | Units | Enzyme | Buffer |
|------------|-------|-----------|-----------|
| HLTAQ-500U | 500 | 1 x 100µl | 1 x 1.0ml |
| HLTAQ-1KU | 1000 | 1 x 200µl | 1 x 1.0ml |
| HLTAQ-5KU | 5000 | 1 x 1.0ml | 5 x 1.0ml |

Ref: Product and technical insert

OUR MOLECULAR DIAGNOSTIC KITS RANGE

- Quantiplus Adeno Virus Quantitation Kit
- Quantiplus BK Virus Quantitation Kit
- Quantiplus Epstein Bar Virus Quantitation Kit
- Quantiplus CMV Quantitation Kit
- Quantiplus Chikungunya detection Kit
- Quantiplus MTB/NTM detection Kit
- Quantiplus Dengue detection Kit
- Quantiplus HBV Quantitation Kit
- Quantiplus HSV 1&2 Detection Kit
- Quantiplus JAK-2 V617>F mutation detection Kit
- Quantiplus BCR-ABL Quantitation Kit
- Quantiplus Dengue genotyping
- Quantiplus JC virus Quantitation Kit
- Quantiplus JE virus detection Kit
- Quantiplus Cryptococcus detection Kit
- Quantiplus Malaria Detection kit
- Quantiplus Toxoplasma Detection kit
- Quantiplus HPV 16 & 18 detection kit

ALL KITS PACK SIZE: 25RXNS & 50RXNS



HUWEL LIFESCIENCES PVT. LTD.

Thriving with science

First Floor, H.No. 3-14/2, Survey No. 312, Narsingi Village, Gandipet Mdl, R.R. District, Hyderabad - 500 075, Telangana. • Mobile: +91 9052226226

E-mail : info@huwellifesciences.in • Website : www.huwellifesciences.in