

## Product Datasheet

### Vazyme - Plant Direct PCR Kit (PD105-02)

<b>Catalog Number</b>	PD105-02
<b>Description</b>	<p>Plant Direct PCR Kit is suitable for direct amplification of plant leaves, seeds, etc., and can be used for high-throughput screening of plant samples that do not contain polysaccharides and polyphenols. The direct amplification DNA polymerase based on the directed evolution has superior tolerance to PCR inhibitors in plants. Meanwhile, it maintains the high amplification performance, which is suitable for the amplification of DNA fragments within 5 kb. The unique Lysis buffer A in the kit can be used to lyse fresh or frozen plant tissues. It is easy to operate and the lysate can be used as a template for amplification without purification. The system contains protective agents that enable crude samples to be effectively amplified after repeated freezing and thawing. 2 × Plant Direct Master Mix only needs to add primers and templates to perform amplification reaction, thereby reducing pipetting operations and improving detection throughput and reproducibility of results. Amplification products are blunt-ended, which are compatible with ClonExpress and TOPO cloning kits (Vazyme #C112/C113/C115/C601).</p>
<b>Storage</b>	<p>2 × Plant Direct Master Mix should be stored at -20°C and avoid repeated freezing and thawing; Plant Direct Lysis Buffer can be stored at -20°C or 2°C - 8°C for up to 18 months.</p>
<b>Note</b>	<p>For research use only</p>
<b>Application notes</b>	<p>Special lysate based on proteinase K; The lysate is directly used for PCR amplification without the need to extract the genome; It is widely suitable for the amplification of target fragments within 2 kb, and is suitable for multiple PCR reactions within 4 pairs of primers.</p>
<b>Expiration Date</b>	<p>12 months from date of receipt.</p>

---

#### Biorbyt Ltd.

7 Signet Court, Swann's Road,  
Cambridge, CB5 8LA, United Kingdom  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

#### Biorbyt LLC.

68 TW Alexander Drive,  
Durham, NC, 27713, United States  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)



---

**Biorbyt Ltd.**

7 Signet Court, Swann's Road,  
Cambridge, CB5 8LA, United Kingdom  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

**Biorbyt LLC.**

68 TW Alexander Drive,  
Durham, NC, 27713, United States  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)