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TwistDx™

Unwind DNA's possibilities

TwistAmp™ nfo Kit

Quick Guide

Part number: INTANFO

Revision 3

TwistDx™

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TwistAmp™ nfo Quick Guide

Please see [instruction](#) and [assay design manuals](#) at twistdx.co.uk for information regarding kit components and storage, assay design, detailed use and multiplexing.

Set-up (single-plex)

1. Prepare reaction mix in 1.5ml tube:

Primer A (10µM)	2.1 µl
Primer B (10µM)	2.1 µl
TwistAmp® nfo probe (10µM)	0.6 µl
Primer Free Rehydration buffer	29.5 µl
Template and water to	13.2 µl
(Total volume	47.5 µl)

Vortex and spin briefly.

2. Add reaction mix to a TwistAmp® nfo reaction. Pipette to mix.
3. Add 2.5 µl of 280mM Magnesium Acetate (MgOAc) (supplied) and mix well to start reaction.

Note: RPA reactions start as soon as MgOAc is added.

4. Incubate at 40 °C for 20 minutes. For low template copy number, remove strip after 4 minutes, vortex and spin briefly, replace in heating device.
5. After 20 minutes, for analysis by lateral flow, dilute reaction products as specified by the lateral flow consumable of choice (see [instruction manual](#)).

Note: If tubes are opened after amplification there is a great risk of contamination of work surfaces with amplicon. Ensure that appropriate avoidance measures are taken.

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TwistAmp® exo probes can also be used with this kit (see [instruction manual](#)).

Kit Positive Control Set-up (single-plex)

1. Prepare reaction mix in 1.5ml tube:

Positive control primer mix	8 µl
Primer Free Rehydration buffer	29.5 µl
Positive control DNA template	1 µl
Water	9 µl
(Total volume	47.5 µl)

Vortex and spin briefly.
 2. Add reaction mix to a TwistAmp® nfo reaction. Pipette to mix.
 3. Add 2.5 µl of 280mM Magnesium Acetate (MgOAc) (supplied) and mix well to start reaction.
- Note:** RPA reactions start as soon as MgOAc is added.
4. Incubate at 39 °C for 20 minutes. For low template copy number, remove strip after 4 minutes, vortex and spin briefly, replace in heating device.
 5. After 20 minutes, for analysis by lateral flow, dilute reaction product 1/50 with PBST and load 10 µl onto the sample pad of Milenia HybriDetect 1 strip.
 6. Place strip in PBST running buffer.

Note: If tubes are opened after amplification there is a great risk of contamination of work surfaces with amplicon. Ensure that appropriate avoidance measures are taken.

TwistDX
Info Kit QG

Size:
8.268 in x 5.827 in



PMS 185 C
Red



Black



PMS 7541 C
Gray 1 - 10%

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