Microzone Ltd

DNAMITE® for Difficult Cells

General Protocol:

Before you start:

- Prepare 60°C waterbath
- If precipitate has formed in Solution LC incubate the bottle at 60°C for few mins

- Put cells into a microtube and add 0.5 ml of Solution LC. Vortex briefly
- Add 20 µl of Solution PK. Vortex briefly
- The DNA can now be extracted or the sample can be kept for up to 2 months at room temp.

DNA extraction:

- Place tube in 60°C waterbath for 1 hr (can be left longer). Vortex briefly
- Add 0.5 ml of CA to the tube. Invert tube few times or vortex briefly
- Spin tube in a microfuge* at 13,000 rpm for 7 minutes to pellet the DNA
- Remove the supernatant carefully with a 1 ml pipette
- Re-spin the tube briefly and remove the rest of the liquid

Very important to remove all of the liquid

- Resuspend the pellet** in TE
- Leave the tube for at least 5 mins at room temp. to re-hydrate the DNA. Vortex briefly
- Incubate tube at 80°C for 5 mins***
- Vortex and spin the tube briefly

The DNA is now ready for amplification or it can be stored
Store the DNA at +4°C short term and at -20°C long term

TIPS:
*Place the tube with hinge positioned outwards, so liquid can be removed from the opposite site without disturbing the pellet
**The pellet may not be visible!
***If double stranded DNA is needed (e.g. for restriction digests) **don't** do this step, but make sure that all of the liquid is removed

Store kit at room temperature, except PK which should be stored at +4°C

For Research Only