INTEGRA

I.DOT LT: non-contact, low volume reagent dispensing for reduced assay costs

Miniaturize assays, minimize reagent waste and ensure accurate dispensing – all in one compact device

Reduce assay costs

Dispense as little as 17.3 nl, running up to 10 times as many samples for the same cost. Ideal for maximizing throughput and budget efficiency.

Conserve reagents

A dead volume as low as 1 µl per source well means that precious reagents are used, not wasted.

Have confidence in your results

A built-in optical sensor recognizes when source wells are depleted and verifies the total volume dispensed in real-time, ensuring accuracy, traceability and peace of mind.

Designed for cutting-edge applications

NGS library preparation

Dispense expensive reagents with pinpoint accuracy to miniaturize reaction volumes and dramatically cut costs.

PCR, RT-PCR and digital PCR

Streamline DNA normalization and accelerate master mix, primer and water addition – no more pipetting errors or wasted time.

Biochemical and cellular assays

Quickly fill 96, 384 or 1,536 well plates for high throughput assay set-up, while reducing pipette tip and reagent use.

Compound testing

Confidently dispense small molecule or enzyme stocks, ensuring uniformity and reliable data generation.

I.DOT LT at a glance

- Dispense range: 17.3 nl to 30 µl
- Low reagent dead volume: <1 µl per source well (water)
- Integrated optical volume verification
- Up to 12 disposable polypropylene liquid source wells (450 µl each)
- Dispensing speed (20 nl/well): 96 well plate in 25 sec; 384 well plate in 70 sec
- Compatible with ANSI-SLAS labware up to 1,536 wells
- Supports liquid viscosities from water to 43 % glycerol
- Fully enclosed, contamination-resistant design
- Intuitive 25 cm/10” touchscreen, including walk-up protocol set-up, multiplate workflows and CSV file import

Ordering information

Product	Part no.
I.DOT LT non-contact, low volume dispenser	5500-01
Source wells for I.DOT LT, 48 per pack, disposable	5510-01

For research use only. Not for use in diagnostic procedures.

Find out more about I.DOT LT: