

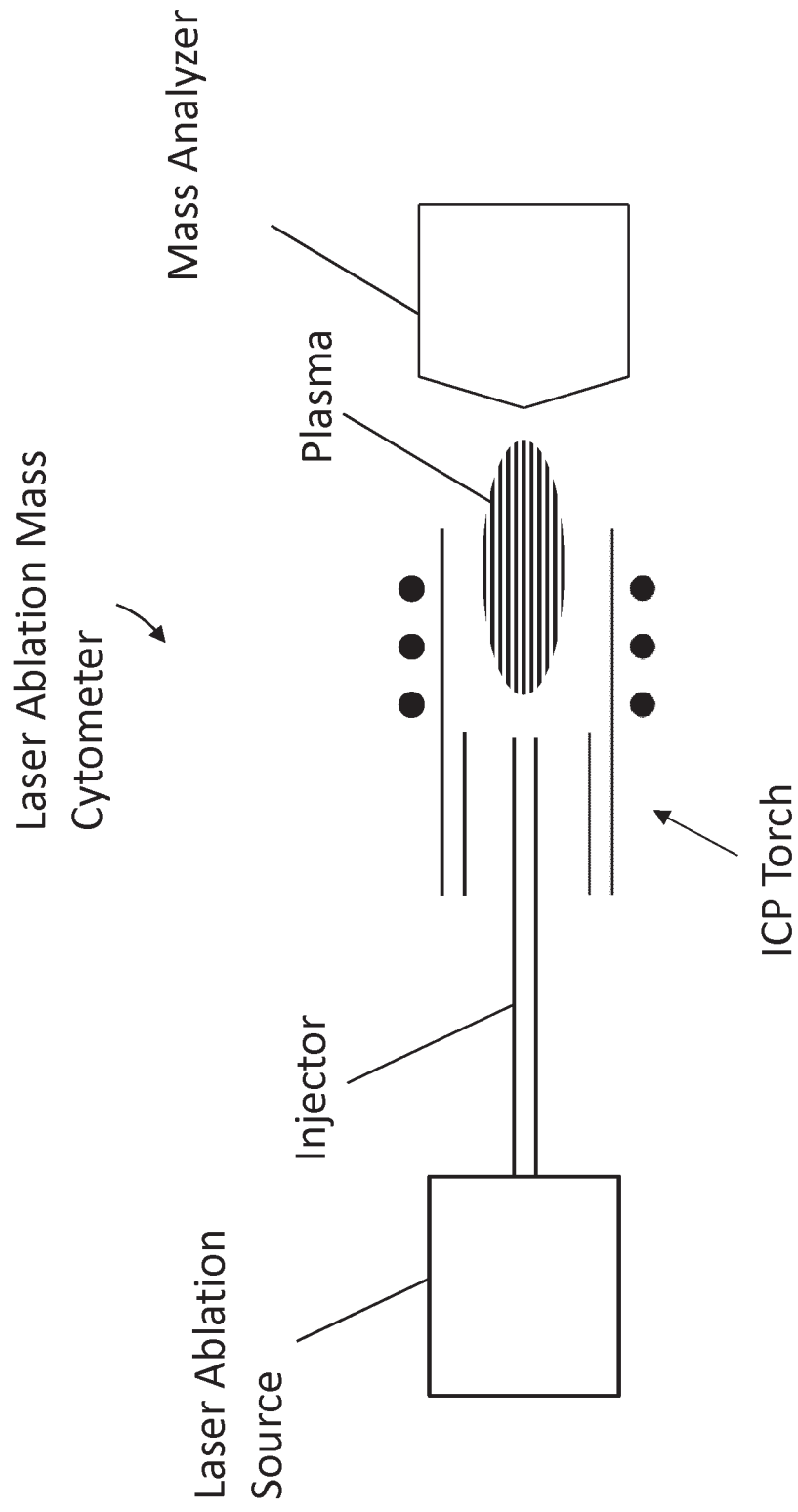


FIG. 1

Sampling or capturing through a small aperture

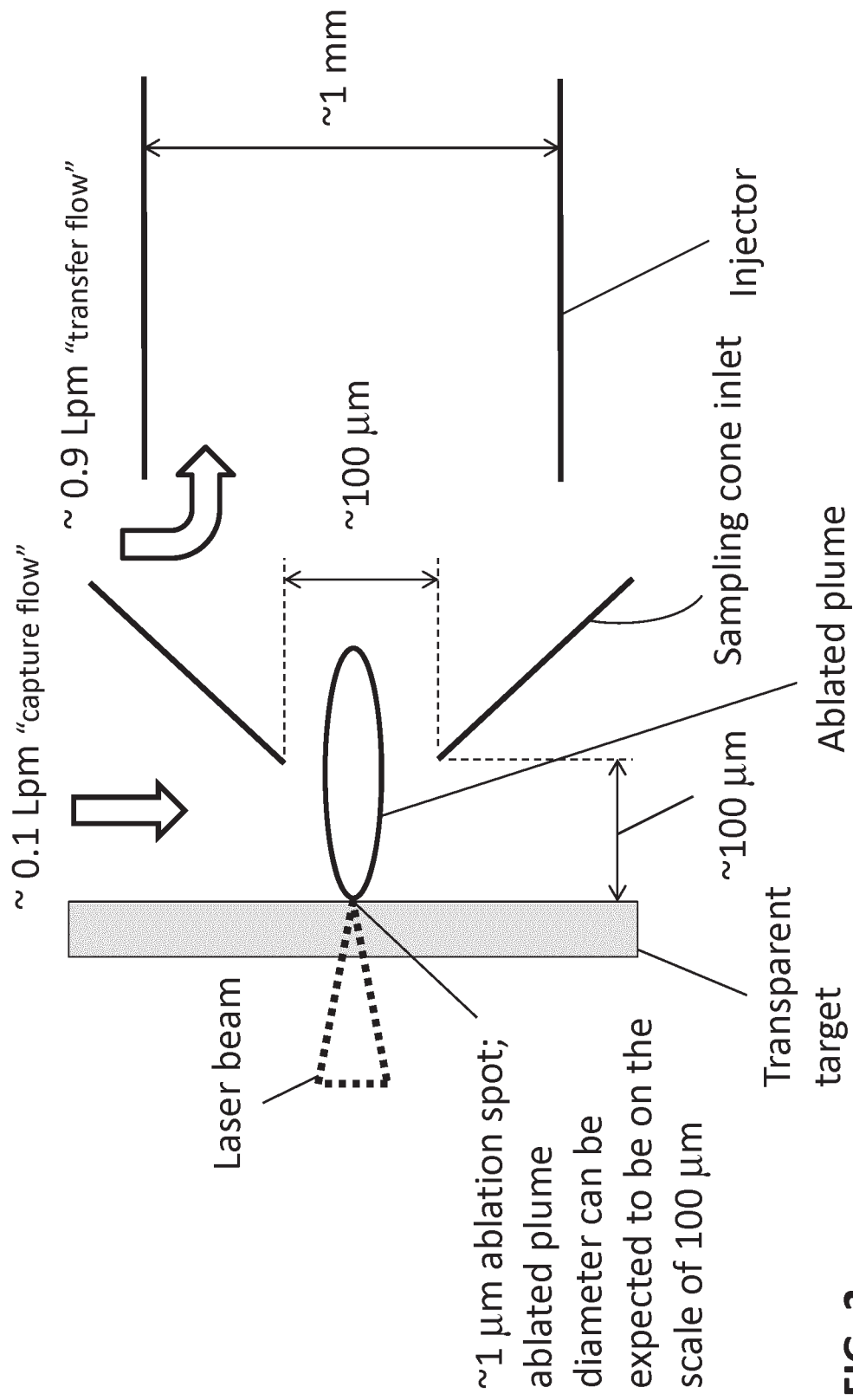


FIG. 2

No sampling cone (direct injector inlet)

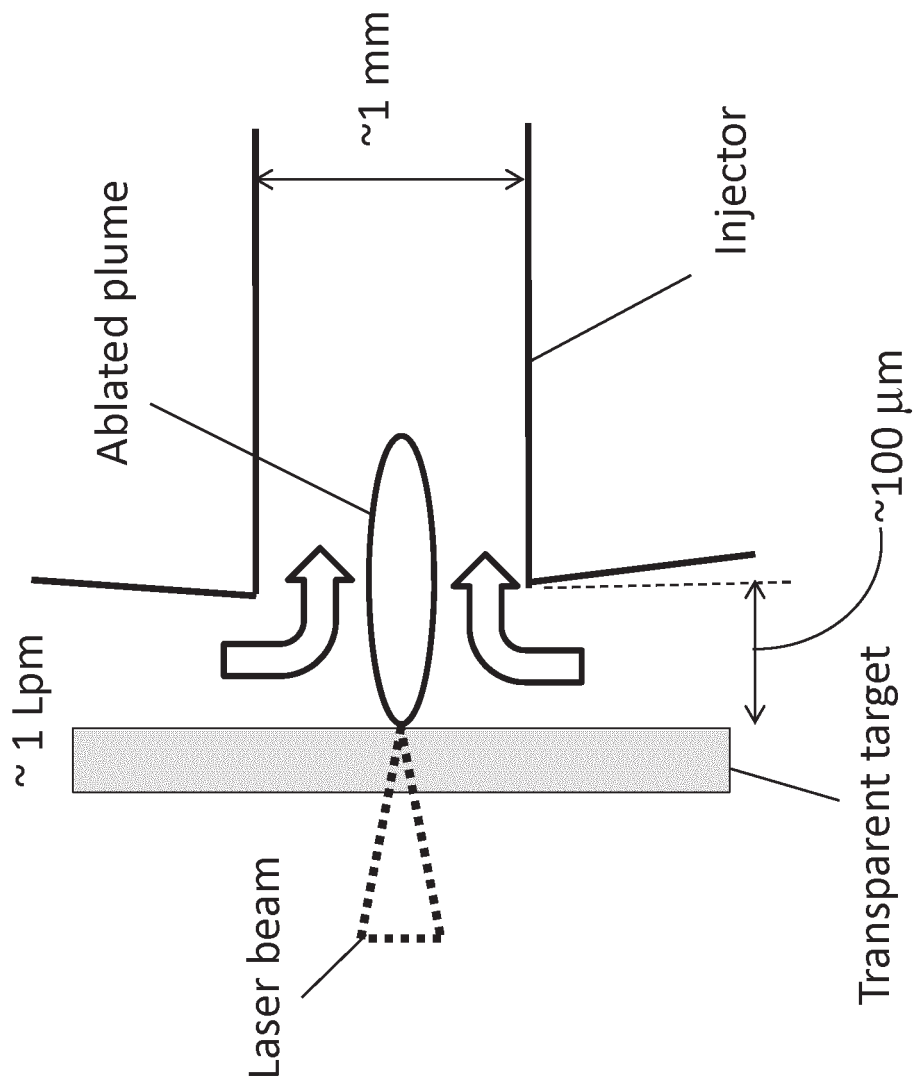
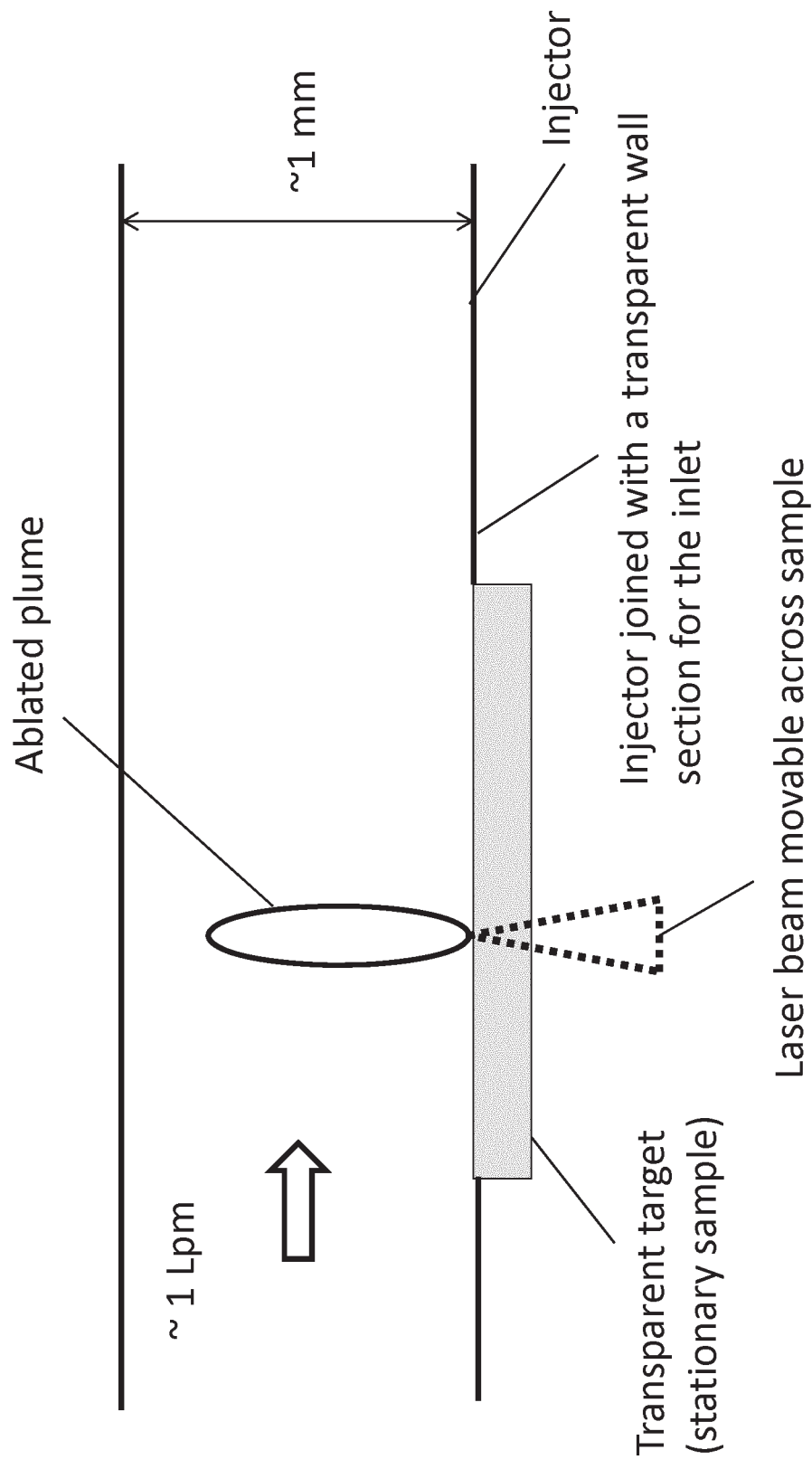


FIG. 3

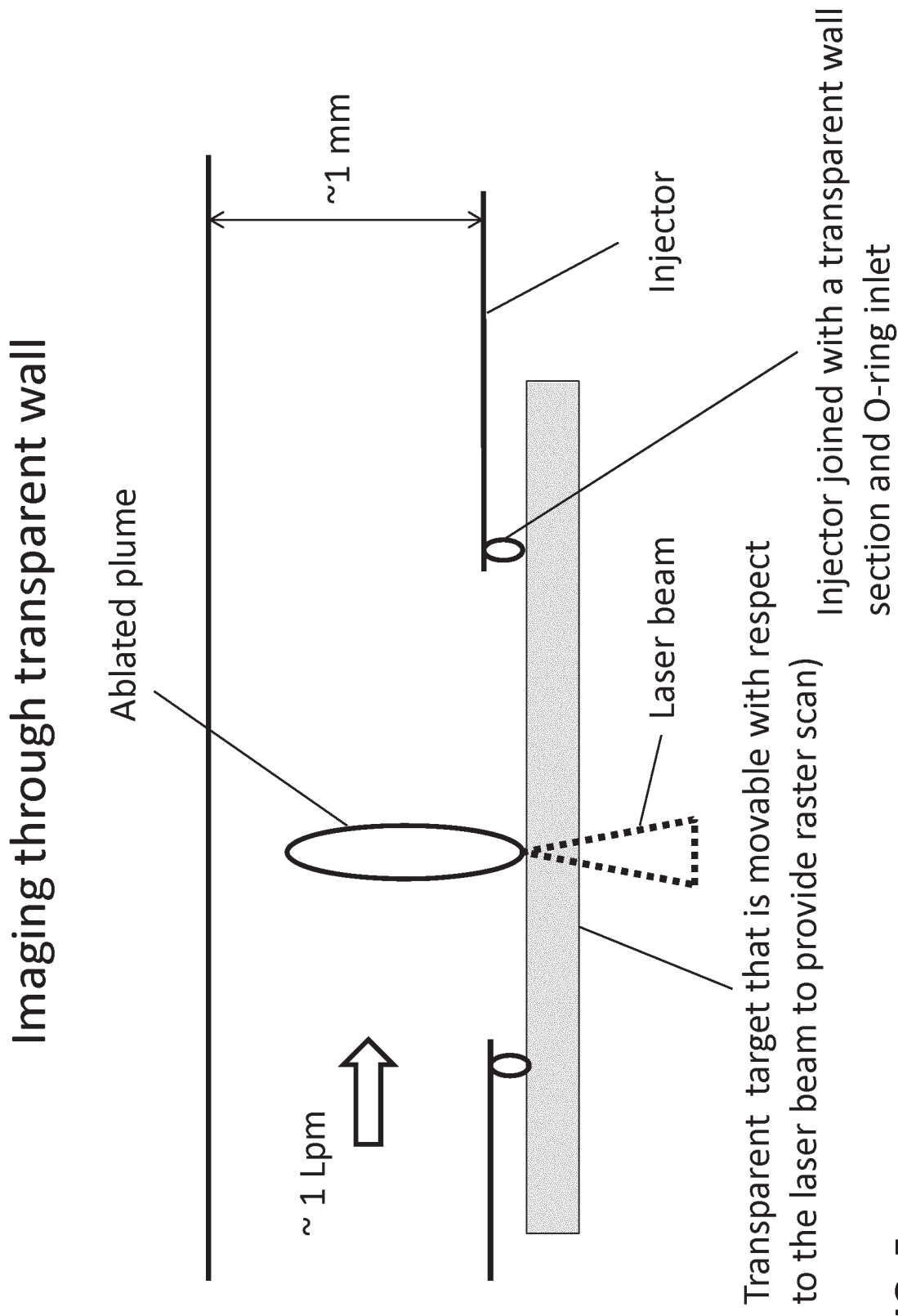
Imaging through transparent injector



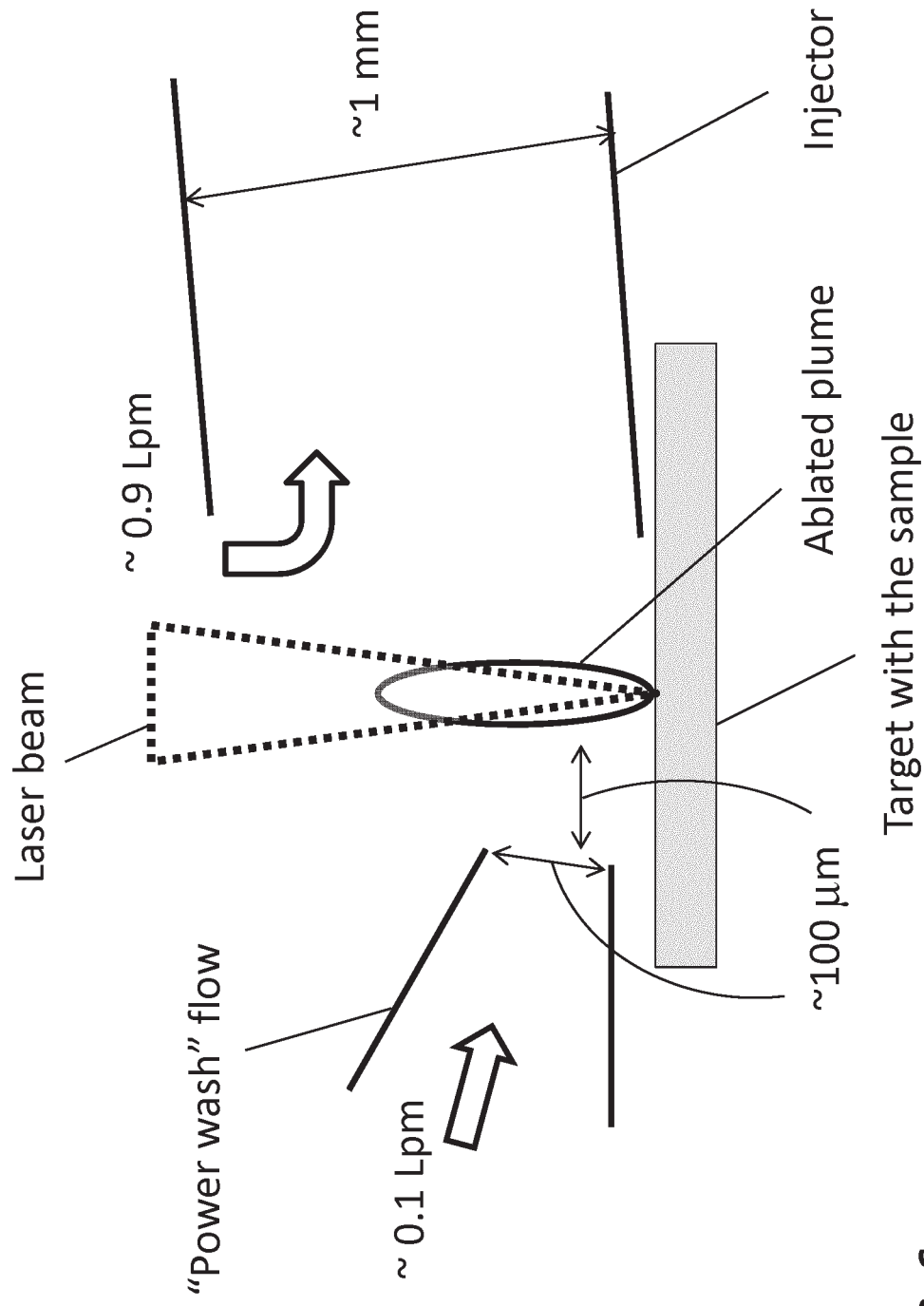
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Attractive simplicity. Potential downside is that the plume forms near the wall of the injector resulting in higher spread of transit time.

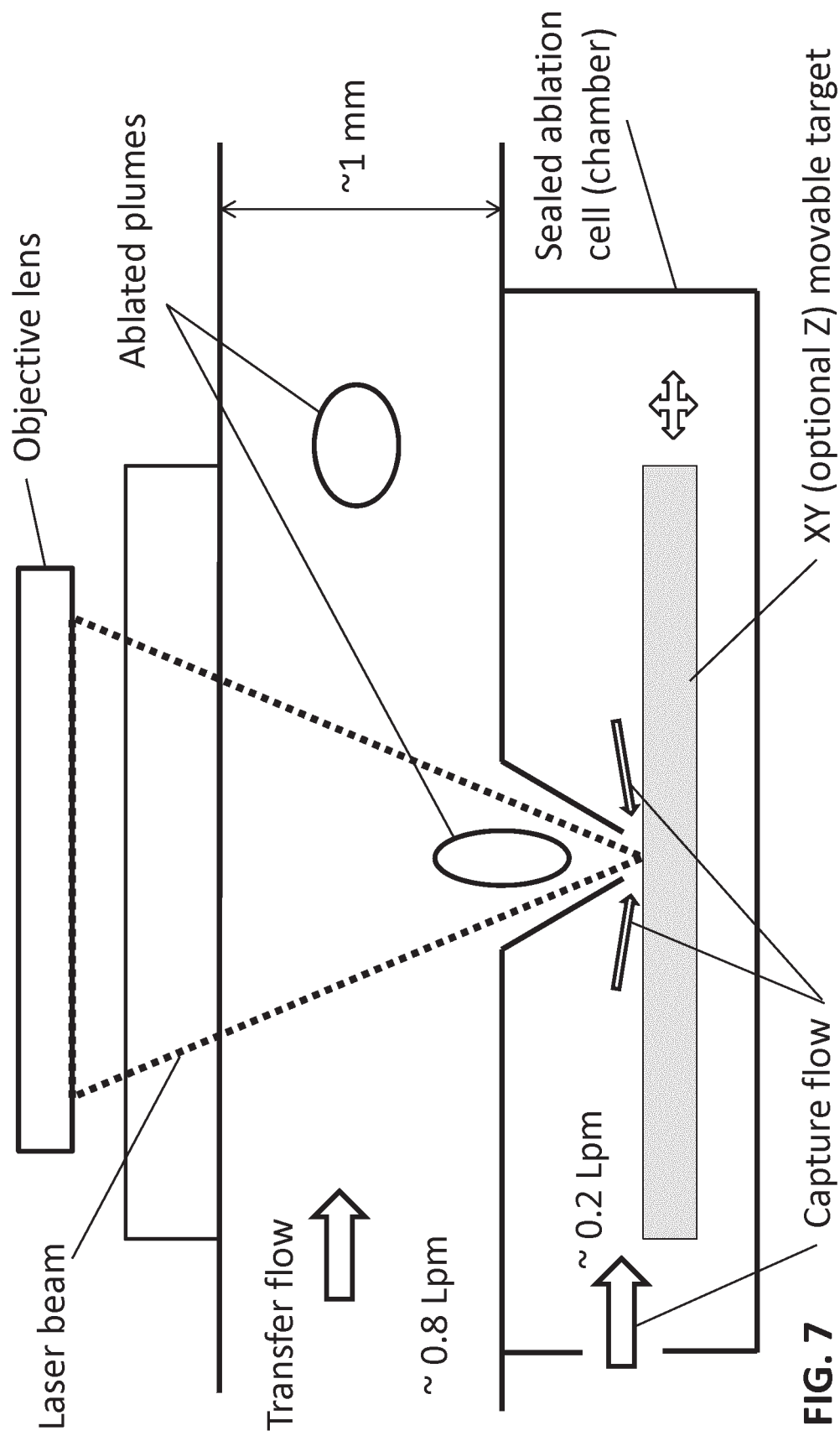
FIG. 4

**FIG. 5**

"Power wash" sampling

**FIG. 6**

Ablation from the top, sampling through a cone



Ablation from the top, sampling through a cone

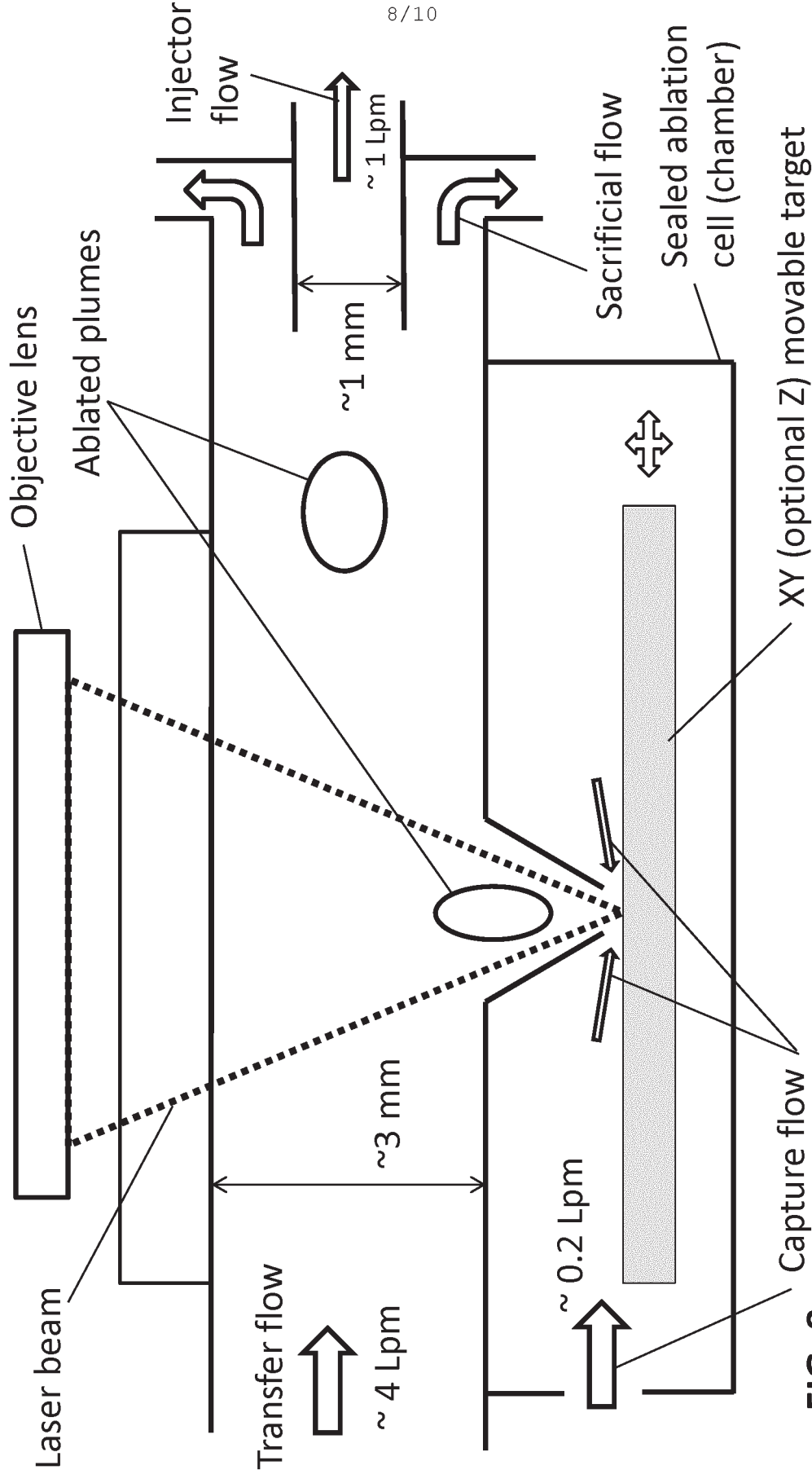


FIG. 8

Ablation from the top, sampling through an injector tip

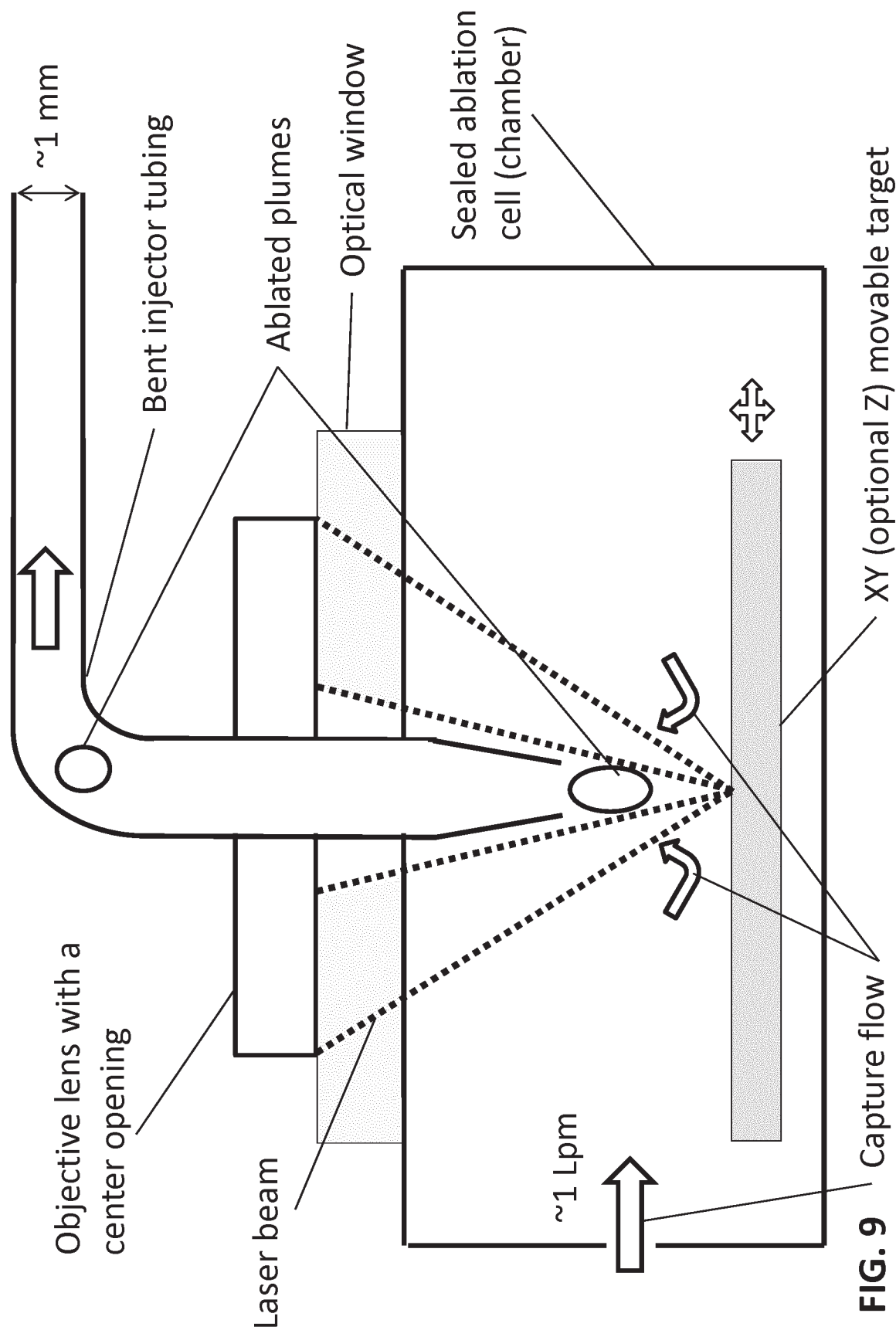


FIG. 9 Ablation from the top, sampling through an injector tip

Ablation from the top, sampling through injector tip

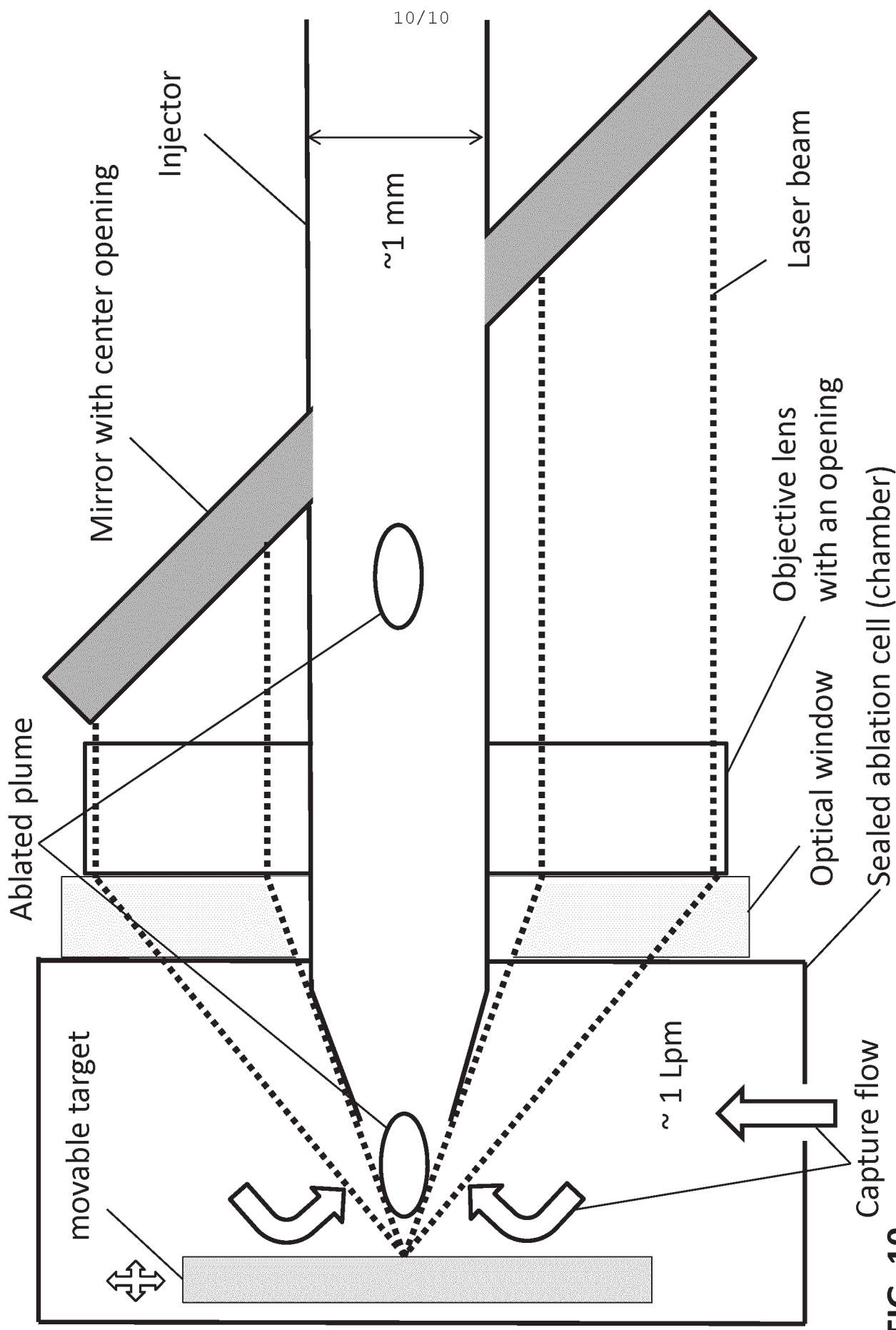


FIG. 10